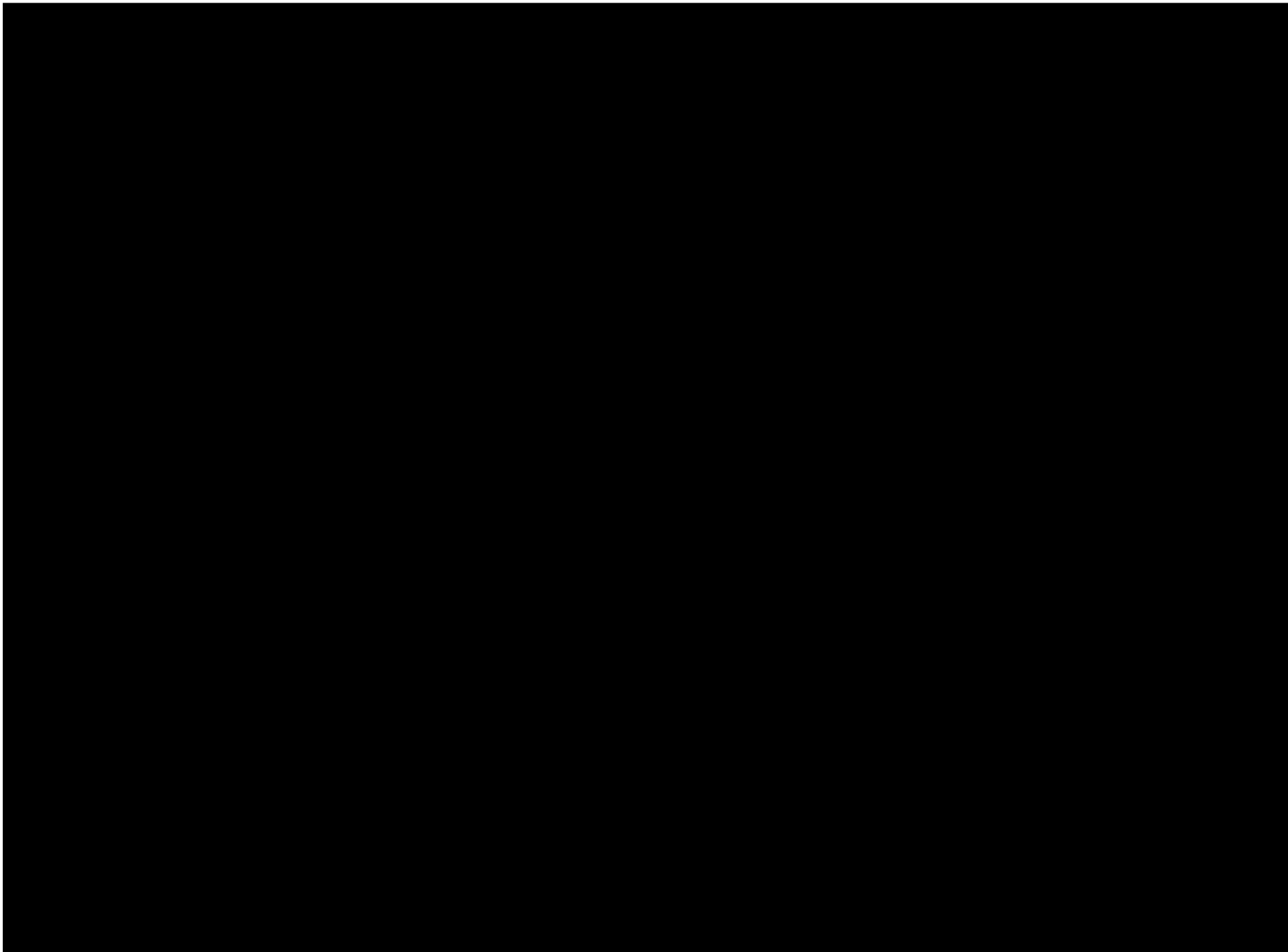




From: Sarah Burrow <Sarah.Burrow@arun.gov.uk>

Sent: 23 November 2021 13:40

To: MarkHobbs [REDACTED] Planning.Responses <Planning.Responses@arun.gov.uk>

Cc: Simon Davis <Simon.Davis@arun.gov.uk>; Paul Cann <Paul.Cann@arun.gov.uk>; Glynn Curtis [REDACTED]

Subject: RE: Planning Consultation on: P/146/21/DOC

Dear Simon,

It is recommended that Condition 2 on P/38/21/PL is discharged.

Surface water drainage should be constructed in accordance with the following drawings:

- Proposed SW Drainage Layout FC2846/02 Rev F
- Proposed Drainage Details FC2846/05 Rev A
- ALT-151121-201-01 A
- Drawing Index Sheet S/278/38/00 Rev H

It is worth noting that in this instance I have accepted a design based on observed groundwater seepages 2m below ground level, this is not to be assumed as precedent set. My decision is based upon the likely reduced impact of the pond flooding should groundwater level rise above the base of the pond in this area. Trial holes should be

excavated, covered and given an appropriate length of time for groundwater levels to stabilise (at least 24 hours) before observing and recording levels. My recommendation has been produced in liaison with Paul Cann.

Kind regards

Sarah Burrow
Engineering Assistant, Engineering Services

T: 01903 737815

E: sarah.burrow@arun.gov.uk

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

Arun District Council, Civic Centre, Maltravers Rd, Littlehampton, West Sussex, BN17 5LF
www.arun.gov.uk

Sign up to our newsletter [here](#)



From: MarkHobbs [REDACTED]
Sent: 15 November 2021 12:22
To: Sarah Burrow <Sarah.Burrow@arun.gov.uk>; Planning.Responses <Planning.Responses@arun.gov.uk>
Cc: Simon Davis <Simon.Davis@arun.gov.uk>; Paul Cann <Paul.Cann@arun.gov.uk>; Glynn Curtis [REDACTED]
Subject: RE: Planning Consultation on: P/146/21/DOC
Importance: High

CAUTION: This email originated from outside of the organisation. You should take extra care when clicking links or opening attachments - if you are unsure the content is safe contact the IT Helpdesk before clicking or opening.

Dear Sarah

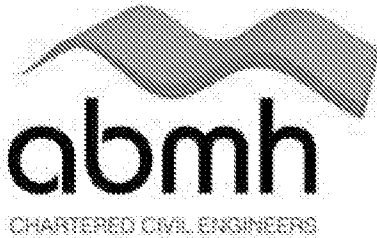
Many thanks for your email – to which we respond as follows in red– please refer you your email below

Trust all Ok for approval now

Thanks

Kind Regards
ABMH Civils Ltd

Mark Hobbs BEng(Hons) CEng MICE MCIHT Eur Ing
1 The Grove, Felpham, Bognor Regis PO22 7EY
[REDACTED]



This e-mail and the information that it contains may be confidential, legally privileged and protected by law. Access by the intended recipient only is authorised. Any liability, (in negligence or otherwise arising), from any third party acting, or refraining from acting, on any information contained in this e-mail is hereby excluded. If you are not the intended recipient, please notify the sender immediately (to [REDACTED]) so that we may arrange for its proper delivery and do not disclose the content to any other person, or use it for any purpose, or store or copy the information in any medium. Copyright in this e-mail and the attachments created by us belong to ABMH Civils Ltd, Chartered Civil Engineers. The authors also assert the right to be identified as such and object to any misuse. The views contained within this e-mail are those of the individual and are not necessarily those of the Company.

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

Sent: 11 November 2021 16:52

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

Cc: Simon Davis <Simon.Davis@arun.gov.uk>; Paul Cann <Paul.Cann@arun.gov.uk>

Subject: RE: Planning Consultation on: P/146/21/DOC

Engineers Comments Regarding Surface Water Drainage

This consultation is based upon the revised plans which I understand are now uploaded on the portal and has been provided in liaison with Paul Cann (Principal Drainage Engineer). The site investigations found that infiltration was not viable on the site and as a such an attenuation scheme has been designed. Discharge rates have been restricted to 2l/s as requested and calculations have been provided to evidence that all surface water for the 1 in 100 year (+40% climate change) event will be stored on site in the proposed pond before being discharged to the watercourse. The principle of the design is acceptable and the calculations to support the application require no amendment.

However there appear to be a few omissions or errors on the drawings that have been supplied. Please address the following points, after which I will be happy to recommend that the relevant condition is discharged.

1. Groundwater seepages are noted below 2mbgl in February, please provide any further groundwater monitoring that is available as seepage will not represent standing groundwater level.

Not sure about the relevance of this point. The geotechnical report states that soil infiltration is not viable within the site, thus ground water monitoring becomes irrelevant?, and no further ground water level values were recorded on site.

Furthermore, the storage device is a pond, which has a wet portion below the lowest storage level. The water below this level will either create a habitat for wildlife or infiltrate/evaporate as time goes by.

Again water seepage 2m BGL will not affect the performance of the feature as the pond storage depth is only 0.8m (3.1-2.3m AOD)

The principle of soakaways not working on site, and therefore a storage feature and restricted discharge to the watercourse, has been AIP with ADC for some time now.

2. On the Drainage Layout there is a 'Note the following' The second note relating to the Hydrobrake needs to be adjusted for the new Hydrobrake limiting flow to 2l/s. – Noted and Updated

3. Please add a note that all pipe junctions (not connected via manholes) need to utilise oblique junctions.
Noted and Updated
4. Please include the width of the base and the width of the top of the pond (in the absence of a site specific cross sectional drawing or a setting out drawing) on the drainage layout. Noted and Updated

Construction Details:

5. Dependant upon the response to point 1 further detail may be required regarding the membrane for the pond (permeable/impermeable) and possible floatation mitigation.

The storage feature is proposed to be constructed in accordance with WSCC S278/38/26 A Drainage Highway Swale detail. The detail highlights an optional liner and or filter membrane (see note No 8) – which states – ‘*Lining/membranes will be required if location in area of high pollution risk or risk of contamination.*’ Given this location is clearly not affected by these factors, no liner or filter membrane is proposed.

In addition, with ground water 2mBGL then floatation is not an issue. Given the proximity of the watercourse, the water level within the watercourse probably represents the adjacent GWL most accurately.

Providing no liner/membrane will enable the first flush of water entering the storage feature to be absorbed/infiltrate into the soil – providing a more SuDs like feature

6. Please provide the Althon Detail and Spec for the PCC Headwall Pond Outlet to flow control MH.

Attached

7. Please provide a site specific Hydrobrake detail. Please reference the Hydrobrake on the detail drawing and include the following: Noted and Updated
 - a) Invert level and cover level.
 - b) Incoming and outgoing pipe diameters.
 - c) No dimensions should be ‘tbc’ – please clarify.

I will be happy to provide a second consultation under this application, please let me know revised deadlines for this when further information is supplied.

Kind regards

Sarah Burrow
Engineering Assistant, Engineering Services

T: 01903 737815

E: sarah.burrow@arun.gov.uk



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

Arun District Council, Civic Centre, Maltravers Rd, Littlehampton, West Sussex, BN17 5LF
www.arun.gov.uk

Sign up to our newsletter [here](#)



From: Planning.Responses <Planning.Responses@arun.gov.uk>
Sent: 19 October 2021 14:34
To: Land Drainage <Land.Drainage@arun.gov.uk>
Subject: Planning Consultation on: P/146/21/DOC

To: **Engineers (Drainage)**

NOTIFICATION FROM ARUN DISTRICT COUNCIL

TOWN AND COUNTRY PLANNING ACT 1990

Application No: P/146/21/DOC
Registered: 18th October 2021
Site Address: Little Sefter Farm Pagham Road Pagham
Description of Works: Approval of details reserved by condition imposed under P/38/21/PL relating to conditions 2-surface water drainage scheme, 4-Landscape & Ecology Maintenance Plan & 5-landscape scheme.

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 **2nd November 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

Mr S Davis

Planning Case Officer- Arun District Council

Telephone: 01903 737874

Email: Simon.Davis@arun.gov.uk

PLCOND00 (008) 2020

<http://www.arun.gov.uk>

DX 57406 Littlehampton

You can view Arun District Council's Privacy Policy from <https://www.arun.gov.uk/privacy-policy>

Important Notice This e-mail is intended exclusively for the addressee and may contain information that is confidential and/or privileged. If you are not the intended recipient (or authorised to receive it for the addressee), please notify the sender and delete the e-mail immediately; using, copying, or disclosing it to anyone else, is strictly prohibited and may be unlawful. Any views, opinions or options presented are solely those of the author and do not necessarily represent those of Arun District Council. The information in this e-mail may be subject to public disclosure under the Freedom of Information Act 2000, therefore we cannot guarantee that we will not provide the whole or part of this e-mail to a third party. The Council reserves the right to monitor e-mails in accordance with relevant legislation. Whilst outgoing e-mails are checked for viruses, we cannot guarantee this e-mail is virus-free or has not been intercepted or changed and we do not accept liability for any damage caused. Any reference to "e-mail" in this disclaimer

includes any attachments.
