

Engineers Comments Regarding Surface Water Drainage

Application Reference:	FP/20/26/HH	Reviewer Reference:	ADC/KW/PC
Planning Officer:	Susan Haley	Date of Review:	18/03/2026
Site Name:	23 Kingsmead, Felpham		
Application Description:	Proposed single storey rear extension to existing dwelling, adjoining existing rear extension.		
Assessment Number:	1 of 1		

Policy and Guidance Information

Arun District Council Surface Water Drainage Guidance (including design checklists) - <https://www.arun.gov.uk/surfacewater>

Land Drainage Consent – <https://www.westsussex.gov.uk/fire-emergencies-and-crime/dealing-with-extreme-weather/flooding/flood-risk-management/ordinary-watercourse-land-drainage-consent/>

Arun District Council Land Drainage Byelaws - <https://www.arun.gov.uk/byelaws/>

Arun District Council surface water pre-commencement conditions - <https://www.arun.gov.uk/planning-pre-commencement-conditions>

The National Standards for SuDS - <https://www.gov.uk/government/publications/national-standards-for-sustainable-drainage-systems/national-standards-for-sustainable-drainage-systems-suds>

The SuDs Manual [C753] by CIRIA

Response	Objection
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References

The NPPF states that when determining any planning application, local planning authorities should ensure that flood risk is not increased elsewhere (paragraph 181, 182 and 187e). The PPG guides local planning authorities to refer to 'Sustainable drainage systems: non-statutory technical standards' [NsTS] and detailed industry guidance like The SuDS Manual [C753] by CIRIA to guide decisions about the design, maintenance, and operation of sustainable drainage systems for non-major development.

The NsTS have been superseded by the National Standards for Sustainable Drainage Systems [NSfS] from 19 June 2025.

This consultation has been primarily informed by the NSfS and The SuDS Manual.

Summary

This summary highlights if critical items aligning with each of the standards have been met. Critical items are highlighted in **bold** on our surface water drainage design checklist (linked above). A failure to address these will likely result in an **objection** to an objection to a full or reserved matters planning application.

If any of these items are inadequately addressed by the submission, then their correction may result in a redesign of the surface water drainage scheme. A redesign is likely to have site wide implications such as the potential for storage structures to increase in volume or plan area, or the provision of other important infrastructure to satisfy the NSfS set out below.

A full written explanation of the assessment and response is given in the consultation comments to the planning officer.

Standard	Assessment	Response
1. Runoff destination	Insufficient	Objection
2. Interception drainage	Insufficient	No objection subject to conditions
3. Extreme Rainfall and Flooding	Insufficient	Objection
4. Water Quality	Insufficient	No objection subject to conditions
5. Amenity	Insufficient	No objection subject to conditions
6. Biodiversity	Insufficient	No objection subject to conditions
7. Construction, operation, maintenance, decommissioning and structural integrity	Insufficient	No objection subject to conditions

Reviewed Plans

The following documents have been submitted and reviewed to inform this consultation with reference to surface water drainage:

Flood Risk Assessment
Surface Water Drainage Information

Consultation comments to the planning officer

0. General

0.1. Insufficient information regarding surface water drainage has been submitted to evidence that flood risk will not be increased as due to the proposed development.

1. Runoff destination

1.1. It is proposed to drain the surface water from the extension to the existing soakaways on site. Whilst infiltration to the ground is the second-highest priority option (aside from water re-use) and accords with Standard 1 of the NSfS, insufficient evidence has been submitted, including evidence of the existing infiltration system. As such, we are unable to assess whether the proposed development would increase flood risk. It is the responsibility of the applicant or their drainage designer to provide

this evidence. For this reason, **we object to the proposal**, as the submission of such evidence may affect the scale and layout of the development.

- 1.2. To support an infiltration-based design, winter groundwater monitoring must be undertaken to confirm that a minimum of one metre of unsaturated ground can be maintained between the base of the soakaway or infiltration structure and the peak groundwater level. Ground conditions and infiltration potential in Felpham are highly variable. While infiltration may be feasible in some areas, others experience high groundwater levels or poor infiltration rates that render it unviable. This must be robustly demonstrated by the applicant. Please refer to <https://www.arun.gov.uk/surfacewater/> for further information regarding our expectations for groundwater monitoring and infiltration testing.
- 1.3. It should also be noted that the existing soakaways are unlikely to meet today's standards.
- 1.4. If infiltration is not viable, then alternative sustainable means of draining the site are summarised as follows:
 1. Water reuse – not proposed but will not provide a full design solution and can be secured via condition.
 2. Infiltration – not investigated.
 2. To a watercourse – available to the north west boundary of site, not investigated.
 3. To a surface water sewer – available within the highway to the front of site, not investigated.
 4. To a highway drainage system – none available according to our records.
 5. To a combined sewer – none available.
- 1.5. It is essential that each discharge destination is considered in strict priority order, with higher priority options fully explored and demonstrably exhausted before progressing to lower priority alternatives. Robust evidence must be provided to discount a higher priority destination.
- 1.6. The site has a watercourse along the south-western boundary. Should infiltration be found unviable, the applicant may wish to investigate the option of discharging to this location. However, no evidence has been submitted to demonstrate that the proposed discharge location is viable such as, flow rates, volumes, flow parameters or permissions to cross third party land if required. The applicant is also advised to approach West Sussex County Council regarding land drainage consent. . If land drainage consent is deemed to not be required, then consent will be required under our land drainage byelaws - see links above.
- 1.7. There is also a public surface water sewer located within the highway/road. No information regarding this option has been submitted. If infiltration is not viable and a connection to the watercourse unachievable, the applicant would need to investigate the possibility of connecting surface water to the sewer at the front of the site, via Southern Water.
- 1.8. It is likely that a viable discharge location can be evidenced, however on the basis of the information submitted, the applicant has not demonstrated that any of the potential discharge locations are viable. The submission of the required evidence may also have implications on the amount of development achievable.

2. Interception drainage

2.1. The applicant has not proposed any interception features. In recognition that the National Planning Policy Framework states that SuDS should be proportionate to the nature and scale of the proposal we are willing to accept that the following interception features can demonstrate compliance without further detailed assessment.

- infiltration features designed to meet extreme rainfall standards.
- water butts or other means of reuse that are not designed for regular daily demand attached to all new downpipes.
- raingardens and bioretention features attached to all new downpipes.
- permeable surfacing.

2.2. These features will not affect the scale or layout of development and as such can be secured by condition.

3. Extreme rainfall and flooding

3.1. The site is currently located within Flood Risk Zone 3a, indicating a high probability of flooding. The submitted Flood Risk Assessment (FRA) has not provided robust or accurate hydraulic modelling to demonstrate the site's flood risk. It is not supported by product 4 data for the site which can be requested from the Environment Agency. It is important that this information is submitted as it will demonstrate accurately the flood risk on the site and its source. SuDS features should not be located in fluvial flood zones. (Please see our guidance relating to this at www.arun.gov.uk/surfacewater).

3.2. There is also a small pocket of low surface water flood risk at the very end of the rear garden. It is not expected that the proposed SuDS will be located in this area, however if the two areas do interact, this will need to be considered in any design. Please refer to Arun District Council's webpage for SuDS within Flood Risk areas for further details on the design requirements within these areas <https://www.arun.gov.uk/suds-in-flood-areas>.

3.3. At present insufficient detail has been included on the drainage plans submitted for engineering assessment. In the absence of this evidence, and without accurate understanding of the existing site drainage, we cannot assess if flood risk will be increased by the surface water drainage of the proposed development. Therefore, this application does not accord with the NPPF as set out above and **we object to the proposal**.

4. Water quality

4.1. Insufficient evidence of water quality benefits has been provided, and as such, Standard 4 of the NSfS has not been met. However, the submission of this evidence is unlikely to affect the scale or layout of the development. Therefore, we do not object to the proposal on these grounds, subject to a condition securing the provision of details demonstrating water quality benefits.

5. Amenity

5.1. Insufficient amenity benefits arising from the proposed SuDS have been identified, and therefore Standard 5 of the Systems NSfS has not been met. However, the submission of such evidence is unlikely to affect the scale or layout of the development. Accordingly, we do not object to the proposal on these grounds, subject to a condition securing details of amenity benefits.

6. Biodiversity

6.1. Insufficient biodiversity benefits arising from the proposed SuDS have been identified, and therefore Standard 6 of the Systems NSfS has not been met. However, the submission of such evidence is unlikely to affect the scale or layout of the development. Accordingly, we do not object to the proposal on these grounds, subject to a condition securing details of biodiversity benefits.

7. Construction, operation, maintenance, decommissioning and structural integrity

7.1. Insufficient information regarding the construction, operation and maintenance of the SuDS system, and therefore Standard 8 of the Systems NSfS. However, in the absence of significant existing trees which could impact the scale and layout and location of SuDS features, most elements of this standard can normally be secured via condition. The submission of a Management and Maintenance Plan is unlikely to affect the scale or layout of the development. Accordingly, we do not object to the proposal on these grounds, subject to a condition securing the detailed surface water drainage design.

8. Suggested conditions / Overcoming the objection

8.1. As this is not a holding objection or a request for further information, requested conditions are not listed. If you are minded to approve this application, please reconsult engineers for a list of suggested conditions to ensure that the development is adequately drained and does not increase flood risk elsewhere.

8.2. The imposition of conditions at this stage rather than overcoming the objection could result in a circumstance where the condition cannot be discharged. In the event of attaching a condition that cannot be discharged, permission may be invalid or that condition could be deemed to be unreasonable.

8.3. If you are minded to allow the applicant additional time to submit further documents to support this application, then further evidence may overcome our objection. Please do not allow the applicant to submit further documents without prior discussion as to whether it will be possible for these to be assessed or influence your determination.

Drainage Impact on Other Planning Matters

This application has been assessed with regards to surface water drainage design only, together with land drainage aspects if deemed necessary.

Other planning matters occasionally effect the surface water drainage design. If plans relating to other matters have been assessed for their impact on the proposed drainage, then it must not be assumed that they have been assessed for any other purpose. The planning officer is advised to check for conflicts with any existing approved plans and to consult any relevant consultees as appropriate.

It has been identified that the following consultees may have comments about the plans that have been submitted and reviewed for this application:

- ☐ Landscaping officer (proposed trees and landscaping)
- ☐ Tree officer (existing trees)
- ☒ Environment Agency (main rivers and fluvial/tidal flood risk, River Arun internal drainage board, groundwater source protection zones)
- ☐ Southern Water (foul drainage and surface water disposal to public sewer network/groundwater source protection zones)

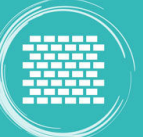
- ☐ Portsmouth Water (groundwater source protection zones)
- ☐ Lead local flood authority (all other sources of flooding and ordinary watercourses)
- ☐ Other: Specify
- ☐ None

PL- Consultation- Engineers response

Arun District Council, Civic Centre, Maltravers Rd
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www.arun.gov.uk

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<https://www1.arun.gov.uk/planning-application-finder>

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 Improving the wellbeing of Arun	 Delivering the right homes in the right places	 Supporting our environment to support us	 Fulfilling Arun's economic potential	 Our core foundations	 
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From: Kathryn Welch <Kathryn.Welch@arun.gov.uk>
Sent: 23 March 2026 14:51
To: Planning.Responses <Planning.Responses@arun.gov.uk>; Susan Haley <Susan.Haley@arun.gov.uk>
Cc: Paul Cann <Paul.Cann@arun.gov.uk>; Joe Dixon <Joe.Dixon@arun.gov.uk>
Subject: RE: Planning Consultation on: FP/20/26/HH

Please find the consultants response attached; an objection.

Thanks,

Kathryn Welch
Senior Planning Officer, Planning Department

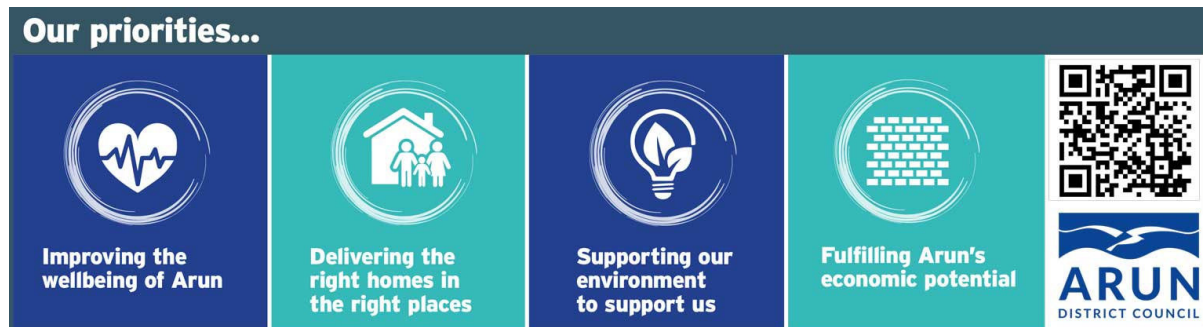
Please note: My working hours are currently split between Development Management and ADC Engineers, which may result in extended response times. **Development Management:** Tuesdays and Thursdays **ADC Engineers:** Mondays, Wednesdays, and Fridays

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

Sent: 09 March 2026 12:04

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

Subject: Planning Consultation on: FP/20/26/HH

To: **Engineers (Drainage)**

NOTIFICATION FROM ARUN DISTRICT COUNCIL

Town & Country Planning Act 1990 (as amended)

Town & Country Planning (Development Management Procedure) (England) Order 2015

Planning Permission for Works or Extension to a Dwelling

Application No: FP/20/26/HH

Registered: 3rd March 2026

Site Address: 23 Kingsmead Felpham PO22 7BD

Grid Reference: 494659 99508

Description of Works: Proposed single storey rear extension to existing dwelling, adjoining existing rear extension.

The Council have received the above application.

[Click here to view the application and documents](#) The website is updated once a day in the evening, so you may need to wait until the day after this notification to view the documents.

Should you have any comments to make, these should be sent by replying to this email by 11th April 2026 . You can also monitor the progress of this application through the Council web site:

<https://www.arun.gov.uk/planning-application-search>

The application will be determined having regard to the development plan policies (if any are relevant) and other material considerations. The development plan can be accessed via the website

<https://www.arun.gov.uk/development-plan> as can information on what comments we can consider

<https://www.arun.gov.uk/planning-application-comments>

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.

Should the application go to appeal the Planning Inspectorate will publish any comments made to the Council on their website: <https://acp.planninginspectorate.gov.uk/> but they will protect personal details.

When the appeal relates to a householder application there will be no opportunity to make further comments.

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

Yours sincerely

Susan Haley

Planning Officer- Arun District Council

Telephone: 01903 737694

Email: susan.haley@arun.gov.uk

PLCONSULT (ODB) 2020