[redacted]

From: Sarah Burrow <Sarah.Burrow@arun.gov.uk>
Sent: 04 July 2022 11:10
To: Planning.Responses <Planning.Responses@arun.gov.uk>
Cc: Anita Gardner <Anita.Gardner@arun.gov.uk>
Subject: RE: Planning Consultation on: WA/42/22/PL

Engineers Comments Regarding Surface Water Drainage

The application is within the Lidsey Treatment Catchment, therefore surface water drainage design should be carefully considered. The applicant has supplied an FRA and surface water drainage strategy. They have undertaken favourable infiltration testing in November and propose to dispose of surface water via soakaway and permeable paving.

Whilst we are agreeable to the strategy, I am not satisfied with the site investigations to support the design. All infiltration testing should be completed in the winter months (ideally January or February) when the ground is saturated and I can see no evidence of winter groundwater monitoring. For a development of this scale we would expect to see groundwater monitored from December to March at one location. The infiltration tests must then be based above the highest recorded (or anticipated) groundwater level, these tests should correspond with the depth of the proposed infiltration structures. No testing has been done at a shallow depth to support the design of permeable paving.

Once further site investigations have been undertaken the drainage design will need to be updated and detailed. The level of detail required for a drainage layout and supporting construction detail drawings are all available online following the link in the informative suggested below. It is strongly advised that the applicant (or their consultant) familiarises themselves with our drainage checklist and submits a completed copy of this with any application to discharge conditions.

If you are minded to approve the application please apply the following conditions to ensure that the development is adequately drained and does not increase flood risk elsewhere.

PCENGD2
"Development shall not commence, other than works of site survey and investigation, until full details of the proposed surface water drainage scheme have been submitted to and approved in writing by the Local Planning Authority. The design should follow the hierarchy of preference for different types of surface water drainage disposal systems as set out in Approved Document H of the Building Regulations, and the recommendations of the SuDS Manual produced by CIRIA. Winter groundwater monitoring to establish highest annual ground water levels and winter percolation testing to BRE 365, or similar approved, will be required to support the design of any infiltration drainage. No building / No part of the extended building shall be occupied until the complete surface water drainage system serving the property has been implemented in accordance with the agreed details and the details so agreed shall be maintained in good working order in perpetuity."

Reason: To ensure that the proposed development is satisfactorily drained in accordance with policies W SP1, W DM1, W DM2 and W DM3 of the Arun Local Plan. This is required to be a pre-commencement condition because it is necessary to implement the surface water drainage system prior to commencing any building works.

And the accompanying informative:

INFORMD
"Infiltration rates for soakage structures are to be based on percolation tests undertaken in the winter period and at the location and depth of the proposed structures. The infiltration tests must be carried out in accordance with BRE365, CIRIA R156 or a similar approved method. All design storms must include a climate change allowance, as per https://www.gov.uk/guidance/flood-risk-assessments-climate-change-allowances, *on stored volumes or rainfall intensity. Infiltration structures must cater for the critical 1 in 10 year storm event, (plus 40%) between the invert of the entry pipe to the soakaway and the base of the structure. All surface water drainage designs must also have provision to ensure there is capacity in the system to contain the critical 1 in 100 year storm event (plus 45%).*

Adequate freeboard must be provided between the base of the soakaway structure and the highest recorded annual groundwater level identified in that location. Any SuDS or soakaway design must include adequate groundwater monitoring data to determine the highest groundwater table in support of the design. The applicant is advised to discuss the extend of ground water monitoring with the council's engineers.

Supplementary guidance notes regarding surface water drainage are located at https://www.arun.gov.uk/drainage-planning-consultations on Arun District Council's website. A surface water drainage checklist is available on Arun District Council's website, this should be submitted with a Discharge of Conditions Application."

PCENGD4
"Development shall not commence until full details of the maintenance and management of the surface water drainage system is set out in a site-specific maintenance manual and submitted to, and approved in writing, by the Local Planning Authority. The manual is to include details of financial management and arrangements for the replacement of major components at the end of the manufacturer's recommended design life. Upon completed construction of the surface water drainage system, the owner or management company shall strictly adhere to and implement the recommendations contained within the manual."

Reason: To ensure that the proposed development is satisfactorily drained in accordance with polices W DM1, W DM2 and W DM3 of the Arun Local Plan. It is considered necessary for this to be a pre-commencement condition to ensure that the future maintenance and funding arrangements for the surface water disposal scheme are agreed before construction commences.

Kind regards

Sarah Burrow
Engineering Assistant, Engineering Services

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From: Planning.Responses <Planning.Responses@arun.gov.uk>
Sent: 31 May 2022 11:04
To: Land Drainage <Land.Drainage@arun.gov.uk>
Subject: Planning Consultation on: WA/42/22/PL

To: **Engineers (Drainage)**

NOTIFICATION FROM ARUN DISTRICT COUNCIL

Town & Country Planning Act 1990 (as amended)
Town and Country Planning (Development Management Procedure) (England) Order 2015

Planning Permission

Application No:	**WA/42/22/PL**
Registered:	30th May 2022
Site Address:	Morelands Arundel Road Fontwell Arundel BN18 0SB
Grid Reference:	495338 106915
Description of Works:	Demolition of existing dwelling and erection of 5 No. residential dwellings, associated car parking and access. (Resubmission of WA/5/22/PL). This application is in CIL Zone 2 and is CIL Liable as new dwellings.

The Council have received the above application.

Click here to view the application details

This application has been identified as CIL Liable. Therefore please be aware that, in accordance with Appendix 2 of the Arun CIL Charging Schedule, your consultation response should only include requests for Section 106 for onsite mitigation, Pagham Harbour Management Contributions (if applicable} or Affordable Housing. "Off" Site mitigation measures directly related to this development should be dealt with by condition if possible to ensure the scaling back of Section 106 if possible. CIL contributions will be used for "off" site infrastructure mitigation schemes. Therefore if this proposal triggers the need for "off" site mitigation, please ensure that you engage in the CIL Infrastructure List Consultation process upon receipt of a consultation letter.

Should you have any comments to make, these should be sent by replying to this email by 30th June 2022 . 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.

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

Yours sincerely

Mrs A Gardner

Planning Officer- Arun District Council

Telephone: 01903 737529

Email: Anita.Gardner@arun.gov.uk

PLCONSULT (ODB) 2020