
Engineers Comments Regarding Surface Water Drainage & Land Drainage

Land Drainage;

The existing watercourses on the western and eastern boundaries are noted. According to the topographical survey the western ditch possibly flows both north and south. Further investigations are required to determine more of the extent of this system to ensure no part crosses the site. This investigation should include trial trenches where there is a noticeable low area running west to east, to ensure there is no culvert in existence. The outcome of these investigations may affect the proposed development layout.

All boundary fences/structures must be kept at least 3 metres from the top of the bank of the western boundary ditch in order to provide a buffer for maintenance, etc. It appears that the development layout is not achieving this requirement and will therefore require amendment.

The intention to improve the eastern boundary ditch and culverts is noted and will be welcomed and will be agreed via the appropriate planning condition and Land Drainage Consent. The western boundary ditch can be discussed further once more is known about its extent.

Surface Water Disposal;

The application is within the Lidsey Treatment Catchment, therefore surface water drainage design should be carefully considered.

It appears that the drainage strategy was written without sight of the letter dated 28.5.20 from Geo-Environmental in which groundwater levels were recorded at ground level. If this is the case, then infiltration will not be an option on site and surface water discharge will rely solely on restricted discharges to watercourses.

The proposed pond is in close proximity of the play area which may attract safety concerns, therefore, advice should be sought from the Parks Dept. Open suds features are a normal requirement due to their positive influence and benefits, whereby the use of below ground crate storage should be minimised. Please note that the pond cannot be counted towards the open space provision.

Permeable paving will be encouraged, as envisaged in the strategy in order to improve water quality. The open pond feature will need to be designed against floatation due to the high groundwater level.

It is unclear as to whether the applicant is considering significant ground raising, however, this should be avoided.

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.

PCENG2 (Modified)

“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. 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 (Modified)

Supplementary guidance notes regarding surface water drainage are located here

<https://www.arun.gov.uk/surfacewater> on Arun District Councils website. A surface water drainage checklist is available on Arun District Councils website, this should be submitted with a Discharge of Conditions Application.”

PCENG D3

“The development shall not proceed until details have been submitted to and approved in writing by the Local Planning Authority for any proposals: to discharge flows to watercourses; or for the culverting, diversion, infilling or obstruction of any watercourse on or adjacent to the site. Any discharge to a watercourse must be at a rate no greater than the pre-development run-off values. No construction is permitted, which will restrict current and future land owners from undertaking their riparian maintenance responsibilities in respect to any watercourse or culvert on or adjacent to the site. “

Reason: To ensure that the proposed development is satisfactorily drained in accordance with policies W DM1, W DM2 and W DM3 of the Arun Local Plan. And to ensure that the duties and responsibilities, as required under the Land Drainage Act 1991, and amended by the Flood and Water Management Act 2010, can be fulfilled without additional impediment following the development completion. It is considered necessary for this to be a pre-commencement condition to protect existing watercourses prior to the construction commencing.

And the accompanying informative:

INFORMD2

“Under Section 23 of the Land Drainage Act 1991 Land Drainage Consent must be sought from the Lead Local Flood Authority (West Sussex County Council), or its agent (Arun District Council land.drainage@arun.gov.uk), prior to starting any works (temporary or permanent) that affect the flow of water in an ordinary watercourse. Such works may include culverting, channel diversion, discharge of flows, connections, headwalls and the installation of trash screens.

The development layout must take account of any existing watercourses (open or culverted) to ensure that future access for maintenance is not restricted. No development is permitted within 3m of the bank of an ordinary watercourse, or 3m of a culverted ordinary watercourse.”

PCENG D4

“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 policies 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.

ENG D1

“Immediately following implementation of the approved surface water drainage system and prior to occupation of any part of the development, the developer/applicant shall provide the local planning authority with as-built drawings of the implemented scheme together with a completion report prepared by an independent engineer that confirms that the scheme was built in accordance with the approved drawing/s and is fit for purpose. The scheme shall thereafter be maintained 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.

Regards,

Paul Cann
Principal Drainage Engineer
Engineering Services



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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: AL/46/20/PL
Registered: 18th June 2020
Site Address: Wings Nursery Lidsey Road Woodgate PO20 3SU
Grid Reference: 493756 104078
Description of Works: Demolition of Wings House & the erection of 81 No. replacement dwellings (80 net new dwellings), access arrangements, sustainable drainage measures, public open space, landscaping & all other associated works. This application is a Departure from the Development Plan.

The Council have received the above application.

[Click here to view the application details](#)

This application has been identified as CIL Liabie. 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 Manangement 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 23rd July 2020 . You can also monitor the progress of this application through the Council web site:

www.arun.gov.uk/planning.

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 the the leaflet how to respond to planning applications <https://www.arun.gov.uk/planning-application-comments> which deals with material planning considerations.

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://www.planningportal.co.uk/info/200207/appeals> 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

Mr S Davis

Planning Officer- Arun District Council



PLCONSULT (CDB) 2020