

[REDACTED]

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**From:** Lucy Hill [REDACTED]  
**Sent:** 11 September 2019 12:18  
**To:** Simon Davis <Simon.Davis@arun.gov.uk>  
**Cc:** Stuart Magowan [REDACTED] Martin Kempshall [REDACTED] Steve Culpitt  
[REDACTED] Ian Johnson [REDACTED]  
**Subject:** Bonhams Field - ref. Y/63/19/RES - DRAINAGE

Dear Simon,

Further to my email dated 2<sup>nd</sup> September 2019, there has been no response from the Drainage Officer. As with other matters which have been raised thus far during the consultation process which should be dealt with at a later date rather than during consideration of reserved matters, I am happy to provide a summary of the type of drainage scheme we shall be submitting as part of a later application to discharge the relevant conditions relating to outline consent ref. Y/1/17/OUT. Hopefully this will provide the Drainage Officer with some comfort that drainage at this site is achievable and that the layout the subject of this planning application has been designed with drainage in mind.

Please find attached correspondence from our Drainage Engineers which provides a summary of the drainage scheme for the site. As mentioned previously, this summary is purely for information to aid the Drainage Officer's understanding of the scheme and is not intended to be treated as additional information to be considered as part of the reserved matters application. A formal scheme for drainage will be submitted at a later date to satisfy the discharge of pre-commencement conditions 12 (surface water drainage scheme); 13 (provision of drawings of the as-built, implemented scheme and accompanying report); and 14 (details of the maintenance and management of the SuDS system). Condition 16 regarding foul drainage would also be addressed at this time.

Please do not hesitate to contact me should you have any queries.

Kind regards,  
Lucy

Lucy Hill BA (Hons), MSc  
Land & Planning Manager



Seaward Properties Limited

Metro House

Northgate

CHICHESTER

West Sussex PO19 1BF

[www.seawardproperties.co.uk](http://www.seawardproperties.co.uk)

Company Registration No. 02595439 Cardiff

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**From:** Martin Kempshall [REDACTED]  
**Sent:** 06 September 2019 12:30  
**To:** Lucy Hill  
**Cc:** Stuart Magowan; CEP | Reception  
**Subject:** 23018 - Bonham's Field, Yapton

Dear Lucy

Please see below the summary of the Drainage Strategy for the Bonham's Field site in Yapton with regard to the Reserved Matters Application.

All surface water runoff from the roofs, private access roads, driveways and parking areas will drain into the ground via a voided subbase infiltration blanket located beneath the roads and driveways sized with sufficient depth to accommodate a 1:100 year storm event with an additional 40% to account for the predicted effects of increased rainfall intensity due to future climate change have been considered as part of the layout design submitted as part of the Reserved Matters stage.

Calculations to date have been completed using FEH rainfall data and based on the lowest current recorded indicated infiltration rate of  $3.65 \times 10^{-6}$  m/s with further infiltration testing planned over the winter to refine the current design. A voided subbase is currently proposed, which is currently anticipated to be 400mm in depth with an estimated half drain time of approximately 9 hours.

All drainage will be managed via shallow infiltration to ground across the site with the use of permeable paving with all surface water drained to ground maintaining a discharge at a point 600-700mm below ground level. This approach is anticipated to retain an unsaturated depth of at least 1m of unsaturated material between the infiltration surface and the maximum likely ground water level and will be confirmed in light of upcoming groundwater monitoring planned for this winter, for a period from October 2019 to March 2020, in line with Arun District Council's Surface Water Drainage Proposal Checklist. The full strategy will be submitted following the determination of application ref. Y/63/19/RES.

Hopefully this is clear but should you require clarification then please do not hesitate to contact me.

Kind regards

Martin

**Martin Kempshall BSc. (Hons.) MSc CEng MICE**



The Civil Engineering Practice  
11 Tongsten Building  
George Street



Fishergate  
Sussex



BN41 1RA  
[REDACTED]

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