

Our Ref: PEF/SD/28854
Your Ref: Y/21/18/DOC

10 May 2018

By E-Mail: Laura.gibbons@arun.gov.uk only

Laura Gibbons
Arun District Council
Building Control
Arun Civic Centre
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Dear Laura

**Drainage
Land at Kings Close, Yapton**

Further to receipt of your e-mail dated 3 May 2018, please find herewith the following calculations and drawings:-

- Micro-Drainage calculations for soakaways SA1 to SA5
- Drawing 28854-101.P5 - General Arrangement
- Drawing 28854-102.P3 - Surfacing
- Drawing 28854-103.P3 - Sections
- Drawing 28854-107.P2 - Retaining wall
- Drawing 13020-01B - Planning site layout

I respond to the items that you raise as follows:-

- 1) The high storage soakaways have been redesigned such that the half drain time does not exceed 24 hours. See Micro-Drainage calculations.
- 2) In order to control exceedance flow in the vicinity of Kingshaven, I have introduced a raised speed table and permeable paving. See drawings 28854-101.P5 and 102.P3.
- 3) Free draining Class 6N backfill is being provided behind the new retaining walls. See drawing 107.P2. I have also introduced a hydraulic break at the edge of the permeable pavement on the west boundary of the site. The hydraulic break will help retain storm water within the base of the permeable pavement and restrict flow towards and through the new King post retaining wall.

The Planners are aware of the proposed finished floor levels of the new buildings. Drawing 13020-01B shows trees to be removed.

I trust that the Surface Water Planning Condition for the project may now be consented.

Yours sincerely

Philip Faulkner
for ARCHIBALD SHAW

Enc

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Michael Gadd, Planning
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