

From: Laura Gibbons
Sent: 30 November 2018 16:14
To: Planning.Responses
Cc: Michael Eastham
Subject: RE: Planning Consultation on: WA/95/18/RES

Engineers Informative Comments Regarding Surface Water Drainage

A surface water drainage strategy has been submitted which details the proposed methodology for surface water disposal. The document is worded as such that it appears it will also be used in a DOC application regarding condition 25, 27 and 28 regarding surface water drainage.

I would like to highlight the following sentence from the drainage strategy: "Winter groundwater monitoring was undertaken in June 2017 by Geo-Environmental". June does not fall within winter. Furthermore, no details of the monitoring or infiltration tests have been supplied. I'd like to advise that we are now in winter, so if winter groundwater monitoring has not been completed from October to March already please complete it now to reduce any future delay.

To assist in a DOC application I would advise the applicant that the following should be submitted:

- Groundwater monitoring results and infiltration test results, including depths of testing.
- Location plan showing monitoring and testing locations.
- Full calculations demonstrating that the 1 in 100 year plus 40% climate change event can be accommodated.
- Calculations detailing that minimum half drain time requirements are met.
- Safety factors are applied to design in line with CIRIA requirements. i.e.

Size of Area to be Drained	Consequences of failure					
	No damage or inconvenience		Minor inconvenience, e.g. surface water on car park		Damage to buildings or structures or roads.	
	Cv=1.0	Cv=0.75	Cv=1.0	Cv=0.75	Cv=1.0	Cv=0.75
<100 m ²	1.5	2	2	3	10	13
100m ² to 1000m ²	1.5	2	3	4	10	13
>1000m ²	1.5	2	5	6.5	10	13

- Drainage layout plans, to include:
 - All surface water drainage pipes labelled with; diameters, falls and invert levels.
 - All infiltrating and attenuating structures (including permeable paving) labelled with; dimensions, invert and cover levels.
 - All manholes labelled with; cover levels, invert levels, cover types detailed.
 - All silt traps clearly labelled with sump depths.
 - Control structures with outflow rates and invert levels.
- Construction detail drawings, to include (if specified in scheme): pipe bed and surround;
 - infiltrating structures;
 - attenuating structures;
 - manholes;
 - catchpits/silt traps;

- control devices;
- permeable paving;
- headwalls.
- * Exceedance flow routes

Regards,

Laura Gibbons, MEng, GMICE
Engineer (Drainage & Coastal)

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Arun is Working in Partnership with Chichester District Council
Visit Arun's web site at <http://www.arun.gov.uk/> and www.chichester.gov.uk



Save the environment - think before you print.

From: planning.responses@arun.gov.uk [mailto:planning.responses@arun.gov.uk]
Sent: 07 November 2018 10:34
To: Land Drainage
Subject: Planning Consultation on: WA/95/18/RES

To: **Engineers (Drainage)**

NOTIFICATION FROM ARUN DISTRICT COUNCIL

The Town & Country Planning Act 1990 (as amended)

Town & country Planning (Development Management Procedure) (England) Order 2015 - Article 6

Approval of Reserved Matters Following Outline Approval

APPLICATION **WA/95/18/RES**

NO:

Registered: 6th November
2018

Site Address: Land east of Tye Lane Walberton

Grid Reference: 497337 106169

Description of Works: Approval of reserved matters following outline consent WA/44/17/OUT for the erection of 175 No. dwellings, car parking including garages, internal access roads, footpaths, parking & circulation areas, hard & soft landscaping, allotments, play areas/equipment & community orchard & other associated infrastructure & engineering works. This application may affect the character & appearance of the Walberton Village Conservation Area.

The Council have received the above application. I shall be pleased to receive any

observations you may wish to make.

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

Should you have any comments to make, these should be sent by replying to this email by 06-DEC-18.

You can also monitor the progress of this application through the Council web site:

www.arun.gov.uk/planning

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.

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

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 as can the leaflet which deals with material planning considerations.

Should the application go to appeal the Planning Inspectorate will publish any comments made to the Council on their website:

www.planningportal.gov.uk/planning/appeals/ but they will protect personal details.

The officer dealing with this application is Michael Eastham who can be contacted on telephone number 01903 737772.

Regards
Planning Officer

consultee_email
