

From: Michael Eastham
Sent: 12 December 2018 15:21
To: Planning.Responses
Cc: Fatima Evernden
Subject: FW: LU/345/18/DOC

Please upload the ADC Drainage consultation response onto Ocella for LU/345/18/DOC.

Thanks,

Michael

From: Laura Gibbons
Sent: 12 December 2018 10:33
To: Michael Eastham; Fatima Evernden
Subject: LU/345/18/DOC

Hi Both,

Attached is the proposed wording for refusal of conditions 10, 11 and 12. I have used the wording from the previous refusal for LU/88/18/DOC and used tracked changes to adjust this.

Any questions, let me know.

Thanks,

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

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Save the environment - think before you print.

CONDITION 10 SHOULD BE REFUSED

The information submitted regarding **Condition 10** imposed on planning permission LU/47/11: relating to the submission of a fully detailed surface water drainage scheme for that phase of the development, based on sustainable drainage principles and designed in accordance with the SuDS strategy for the whole development at North Littlehampton Strategic Development Area (SDA) and the condition is not discharged as:

- ~~* A detailed drainage strategy has not been submitted. The drainage strategy submitted is insufficient. With several parcels specified as having unrestricted discharges, all parcels must have restricted discharges to ensure the maximum outflow rate is not exceeded and flooding issues are not passed on downstream.~~
- ~~* Evidence that the Environment Agency has approved the proposed discharge rates to main river has not been submitted.~~
- ~~* The surface water network has been modelled with a free flowing outfall. In reality it is likely the outfall will be surcharged at times of heavy rainfall. Therefore, simulations must also be provided demonstrating the impacts of a surcharged outfall on the surface water drainage network.~~
- * Infiltration has been ruled out for the majority of the development because of the prevalence of clay. The full details of the ground investigation report including winter groundwater monitoring and infiltration tests have not been submitted.
- * A minimum pipe velocity at full flow of 1m/s will be required, not 0.75m/s.
- ~~* Surface flooding occurs currently on site. The 1 in 100 year plus 30% climate change event will need to be contained within the surface water attenuation system.~~
- ~~* The development wide surface water network design which will take flows from each of the parcels has used estimates for impermeable areas of each of the parcels. This uncertainty means that the wider network design cannot be agreed.~~
- * Detailed plans are required before construction is permitted at each parcel. These have not been submitted. Plans need to -detailing the following:
 - invert, slope, and diameter of all pipes;
 - invert levels of all attenuation tanks and soakaways, areas of impermeable area draining to these, areas of tanks;
 - location of manholes and silt traps;
 - permeable paving areas specified, detailing finished and formation levels, impermeable areas draining to these.

CONDITION 11 SHOULD BE REFUSED

The information submitted regarding **Condition 11** imposed on planning permission LU/47/11: relating to the submission of arrangements for the future access to and maintenance of any watercourse or culvert (piped watercourse) crossing or abutting the site, as relevant to any of the reserved matters applications and the condition is not discharged as:

- * The proposal includes infilling an IDB ditch on site, consent will be required from the Environment Agency;
- * Detailed plans have not been submitted ensuring sufficient easement is provided to each of the ditches.

CONDITION 12 SHOULD BE REFUSED

The information submitted regarding **Condition 12** imposed on planning permission LU/47/11: relating to the discharge of any flows to watercourses, or the culverting, diversion, infilling or obstruction of any watercourse on the site and the condition is not discharged as:

- * The proposal includes infilling an IDB ditch on site, consent will be required from the Environment Agency;
- * ~~Evidence that the Environment Agency has approved the proposed discharge rates to main river has not been submitted;~~
- * Detailed plans have not been submitted ensuring sufficient easement is provided to each of the ditches.