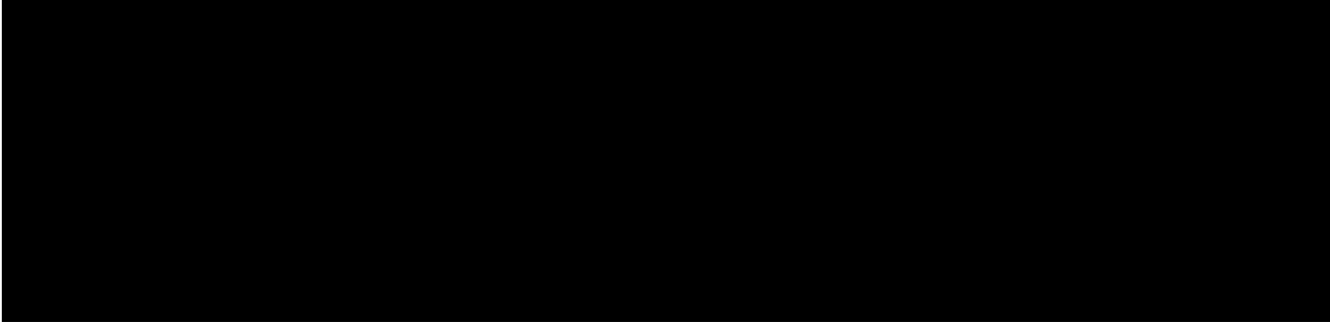




Dear Michael,

We have the following comments regarding this application to discharge drainage conditions.

Condition 6 – Surface Water Drainage Design

1. I note you are proposing to discharge at 5l/s, this is greater than 1 year greenfield rate of 2.9l/s. The reasoning stated within the document for this is “5l/s, this being the minimum acceptable discharge rate that many authorities are willing to adopt”, this statement appears to be taken from outdated guidance. We accept discharge down to 2l/s as technology has improved meaning that smaller flow restrictions can be achieved with acceptable aperture sizes. Please revise flow or seek clarification from Southern Water regarding their minimum acceptable discharge.
2. A surcharged outfall should be modelled with water levels at top of ditch.
3. No consistency between orifice invert levels on plan and those shown on drawings. Please update calculations or drawings.
4. Porous car park area invert levels and sub base depths in calculations are inconsistent with those shown on plan. Please update calculations or drawings.
5. Where is porous car park manhole 4 in calculations?
6. Porous car park m10 is 4 separate areas, with two different orifice controls. Yet this is modelled as one porous car park area. This is not appropriate, please calculate as separate structures.
7. Porous car park manhole 8 has a modelled invert level which is far lower than that shown on plan. Please update calculations or drawing.
8. An impermeable areas plan needs to be provided. Preferably in dwg format to facilitate paperless review whilst office working is heavily restricted.
9. Pond cross section construction detail drawings are required- 2 sections required, perpendicular to one another. Details should include liner.
10. Flotation calculations required. Please provide winter groundwater monitoring October- March. Otherwise, assume groundwater is at surface.
11. Cover levels must be detailed on plans
12. Please provide details of correspondence with southern water.
13. Please provide details of connections into and out of permeable paving (including on plan). These should be diffuser blocks.
14. Include invert levels and dimensions of connecting pipes between permeable paving areas. For example the link pipe between M4 permeable paving areas near plots 7 and 6 does not have a diameter or upstream invert level.
15. Detail how water will flow between sub-base either side of service corridor construction for foul sewer.
16. Please include a manhole schedule.
17. Please detail how ACO drain near hydrobrake connects, this is not clear.
18. Please provide further detail on ACO drain, i.e. bedding, silt trap, etc.

19. Cranked grille must be provided.
20. Please provide further detail of granular material proposed for filter drain. Please indicate ditch invert level at proposed point of connection to watercourse.
21. Please provide construction detail drawings of orifice control chambers. Including detail of blockage protection.
22. Permeable paving construction detail drawing required.

Condition 7- discharge of flows to watercourse

1. See comment 1 to condition 6.
2. Please provide an update regarding works to the downstream watercourses. This is fundamental to drainage of the site.

Condition 8- Maintenance of Suds

1. See comments to condition 6 above. Until these are resolved, the maintenance document cannot be approved.
2. I do not believe it is realistic to expect adjacent homeowners to maintain the filter drain, access to this will be from the ditch, i.e. a communal area. Please reconsider.
3. The maintenance document refers to flap valves. Where are these?
4. Please include requirement for permeable paving within the document, including the brushing of permeable paving within the schedule of maintenance activities.

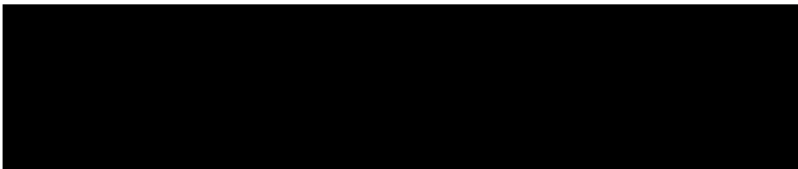
Condition 9- future access and maintenance of watercourse

1. Please provide an update regarding works to the downstream watercourses. This is fundamental to drainage of the site.
2. Please indicate distance between fence of plot 17 and top of bank of watercourse.

Condition 10- drainage design and maintenance

1. See comments to condition 6 above.
2. I do not believe it is realistic to expect adjacent homeowners to maintain the filter drain, access to this will be from the ditch, i.e. a communal area. Please reconsider.
3. The maintenance document refers to flap valves. Where are these?
4. Please include requirement for permeable paving within the document, including the brushing of permeable paving within the schedule of maintenance activities.

Regards,



To: **Engineers (Drainage)**

NOTIFICATION FROM ARUN DISTRICT COUNCIL

TOWN AND COUNTRY PLANNING ACT 1990

Application No: BN/57/20/DOC
Registered: 3rd June 2020
Site Address: Land Rear of Lillies Yapton Road Barnham PO22 0AY
Description of Works: Approval of details reserved by condition imposed under ref BN/32/15/OUT relating to Condition Nos 6 - surface water drainage, 7 - discharge flows, 8 - SudS, 9 - future access & maintenance of any watercourse and 10 - surface water drainage

The Council have received the above application to discharge conditions. I shall be pleased to receive any observations you may wish to make in respect of those conditions relating to your field of expertise.

[Click here to view the Discharge of Condition application](#)

[Click here to view conditions on original application - click on decision tab](#)

Should you wish to make any comments click on the link www.arun.gov.uk/planning and click into ?Enter Comment? or if this is not possible email your response to planning.responses@arun.gov.uk by **25th June 2020**.

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.

Yours sincerely

Michael Eastham

Planning Case Officer- Arun District Council



PL/CONDGC (ODS) 2620

<http://www.arun.gov.uk>

DX 57406 Littlehampton

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Laura Gibbons



Town Hall, Chapel Road, Worthing, West Sussex, BN11 1HA

Adur and Worthing Councils are working in partnership with Arun District Council



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