

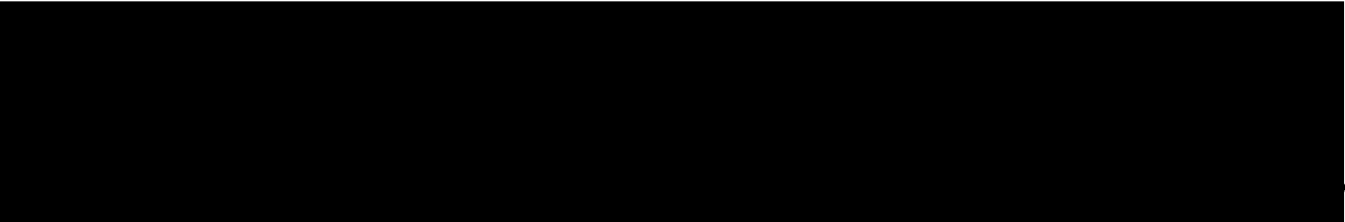
Dear Andrew,

Having reviewed this application with a colleague we can confirm that we do not recommend discharge of conditions 8 and 9 at this time. We have the following comments which require addressing:

1. Please model a surcharged outfall with water levels equal to top of bank level adjacent to the outfall.
2. Please ensure that all modelled details correspond with those on plan, for example currently there are discrepancies between invert levels modelled and those shown on plan.
3. The amended drainage strategy states that the sub-base will be left unlined to allow for infiltration when possible. If the sub-base is to be unlined diffuser units must be located 5m away from proposed buildings.
4. The drainage strategy layout is cramped and not clear. Please provide a plan that is to scale and includes the following additional features; a) pipe materials and dimensions for all pipes b) invert levels of diffuser blocks and fil drain c) cover levels and cover types of all inspection chambers/manholes d) finish levels of permeable paving (we note that two ground levels are stated, please make it clear if these are proposed ground levels and include a further level near the garage)
5. Please provide silt traps upstream of all connections into the permeable paving.
6. We note that a Fildrain is proposed to collect water from the permeable paving sub-base and would ask whether collection via a diffuser block may provide a better means to collect water. This is not a point that would warrant us refusing discharge of conditions but is worth considering from a construction and maintenance perspective. We will however need invert levels of the foul drain to ensure no clash between the fildrain and sewer.
7. The layout states the hydrobrake will have a design head of 0.5m, this is inconsistent with the calculations and construction details. Please correct.
8. The hydrobrake construction detail needs to be site specific, i.e. include invert levels and cover levels. Step rungs should also be provided.
9. Please provide pipe bed and surround details that are consistent with approved document H.
10. Please provide construction detail drawings of permeable paving, aco channel, manholes and catchpits. The permeable paving detail currently provided is not site specific and lacks material specification detail.
11. It is understood that a flood risk activity permit has been applied for, please provide details of this.

Please re-consult us once this information has been supplied.

Kind regards,



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





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