

From: Laura Gibbons [REDACTED]
Sent: 04 August 2020 15:40
To: Planning.Responses <Planning.Responses@arun.gov.uk>
Cc: Maria Tomalova <Maria.Tomalova@arun.gov.uk>
Subject: BE/70/20/DOC- Land at Phase 1A Oldlands Farm

Dear Maria,

Thank you for consulting us regarding conditions 6, 7 and 8. We have the following comments:

Condition 6- surface water drainage design

1. Please provide a figure showing groundwater monitoring locations. This is required to establish if flotation resistance measures are required within the basin.
2. Please model a surcharged outfall with water levels set to adjacent top of bank level as a conservative assumption.
3. Please include printout from Microdrainage evidencing impermeable areas modelled.
4. We note that MicroDrainage has been set to autodesign pipes to achieve 0.75m/s, 1 m/s must be achieved. Please include a printout from MicroDrainage indicating velocities achieved in pipes.
5. Pond cross sections have been provided, these indicate slopes are to be set to 1:2. 1:3 slopes should be provided.
6. It appears that a post and rail fence is proposed 1m from the top of bank of the attenuation basin. We require a 3m clear buffer around the basin to facilitate future maintenance.
7. Please provide site specific construction detail drawings for manholes, silt traps, pipe bed and surround, channel drains, gullies, headwalls, flow control chambers, interceptor etc.
8. Please detail what type of petrol interceptor is proposed and how the scheme meets the requirements of CIRIA C753 chapter 26 in terms of hazard mitigation indices. Treatment at source is preferred, can lined permeable paving be used in parking areas? This may also help to reduce the size of basin required to ensure side slopes meet minimum requirements.

Condition 7- discharge of flows to watercourse, etc.

Please provide details of watercourse bed level, including directly adjacent to where the outfall is proposed.

Condition 8- maintenance of SuDS

This will be reviewed once design has been agreed.

Kind regards,

Laura Gibbons

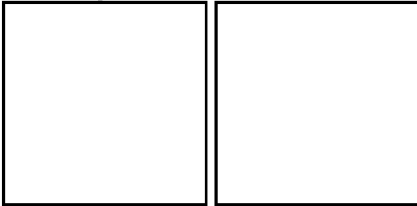
Engineer, Adur & Worthing Councils



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



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