



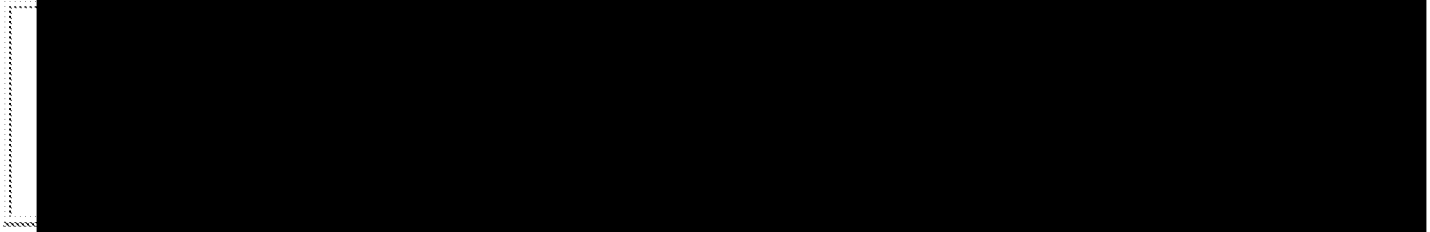
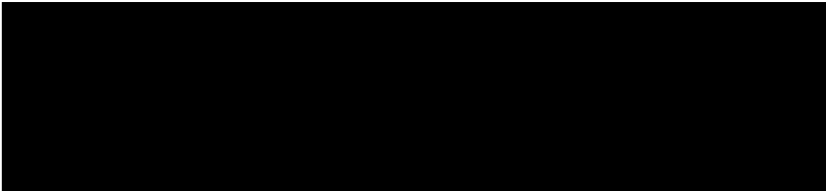
Comments on surface water drainage;

1. Has infiltration been ruled out on this site? Provide evidence. Please note that all comments below assume that infiltration has been ruled out. If infiltration was proven not to be feasible, then provide evidence of how this phase fits into the overall North Toddington development strategy, including the agreed allowable/discharge rates from this phase.
2. Provide groundwater monitoring data.
3. With reference to Southern Waters consultation, listing issues to be addressed, please show the foul rising main on the layout drawing/s.
4. Are Southern Water adopting any part of the surface water onsite drainage system?
5. Indicate allowable discharge rates on the plans and provide hydrobrake technical data sheets from the manufacturer.
6. Provide hydraulic calculations to confirm that the 1 in 100 year storm event (+40% allowance for climate change) can be stored within the system/on site.
7. Provide fully detailed construction drawings to include manholes including catchpits & hydrobrake chambers, gullies, channel drains, permeable paving and outlet sumps/diffuser unit, storage tanks, rodding eyes, pipe bedding, etc.
8. Specify materials of all pipework.
9. Specify diameter and gradients of ALL pipework on the network.
10. Provide a vent on each tank.
11. Indicate base levels of permeable paving and outlet invert levels.
12. Add note that all pipes are to be connected soffit to soffit. Where pipes of differing diameters are connecting to one another, show the connecting invert level.
13. Where connections are not being made to manholes, the oblique 45 degree junctions are to be used. Add note.
14. Pipes connecting to the 900mm oversized pipe must connect at soffit to soffit level not invert to invert. Can the storage tank be increased in size to remove the need for the 900mm pipe?
15. Can the CS2 tank be made online rather than offline?
16. Gully north of HB2 control chamber is connecting against the flow. Reconfigure the arrangements here to improve the situation.
17. Western spur – provide diameter/levels/gradient.
18. Gullies downstream of S8 – stagger connections so not opposite one another.
19. Alter colour of permeable paving outline ie. not blue, in order to avoid confusion.
20. Specify manhole S18 as a catchpit.
21. Rather than running pipes under the permeable paving, can they be connected into the paving via diffuser units?

Any queries, please let me know.

Regards

Paul Cann
Principal Engineer (Drainage)

To: Engineers (Drainage)

NOTIFICATION FROM ARUN DISTRICT COUNCIL

TOWN AND COUNTRY PLANNING ACT 1990

APPLICATION NO: LU/90/20/DOC

Registered: 09-APR-20

Site Address: Land South of Toddington Lane Littlehampton BN17 7PP

Description of Works: Approval of details reserved by condition imposed under ref LU/47/11 relating to Condition Nos 10 - surface water drainage, 13 - foul drainage, 15 - tree protection, 19 - ecology, 20 - ecological management plan, 21 - ecological management plan, 22 - Construction Method Statement, 23 - construction compound, 25 - vehicle & highway cleaning, 31 - decentralised & renewable energy, 37 - noise mitigation and 40 archaeology.

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 have any comments to make, these should be sent [by replying to this email](#) by 29th April 2020.

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 officer dealing with this application is Michael Eastham who can be contacted on telephone number ([REDACTED])

Thanking you in anticipation

Planning Case Officer
Arun District Council

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