





From: Laura Gibbons <Laura.Gibbons@arun.gov.uk>

Sent: 09 July 2019 13:20

To: Simon Davis <Simon.Davis@arun.gov.uk>

Subject: BR/126/19/DOC 65c gravits lane

Simon,

I have now reviewed the further information submitted and have provided *comments* next to my original responses below.

1. The applicant has supplied information regarding groundwater levels and infiltration test results. Both of these were from July 2014, subsequent observations were made and notes indicate no groundwater was observed. However, this does not meet our requirements for winter infiltration testing. *Winter infiltration date has been specified, but no actual test results have been supplied and it is unclear if three repeat tests were completed.*
2. Calculations have been provided, however these do not meet the required range of storm durations and no factor of safety has been applied to the design. *Calculations state that porosity of crates is 1, this should be 0.94. But given the additional available storage above requirements this is okay.*
3. Construction details have not been provided. *The cross section detail drawing needs to be updated to state that the pipe will have 150mm concrete bed and surround rather than shingle. And 100mm coarse sand bed and surround needs to be provided to the crates (outside of the geotextile wrap).*
4. The drainage layout plan does not provide the level of detail which I requested on the 13th June. I.e. location and dimensions of pipes, catchpits and soakaways. Diameters, invert levels, cover levels and falls need to be provided. *Okay.*
5. Construction details of catch pit manholes also still have not been provided. *Okay.*

Thanks,

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

