

[REDACTED]

[REDACTED]

From: Simon Davis <Simon.Davis@arun.gov.uk>
Sent: 22 September 2020 16:52
To: Planning.Responses <Planning.Responses@arun.gov.uk>
Subject: FW: 020.5360 Land West of Fontwell Avenue BN/50/20/PL

Further Drainage Engineers comments

From: Laura Gibbons <Laura.Gibbons@arun.gov.uk>
Sent: 22 September 2020 15:58
To: Simon Davis <Simon.Davis@arun.gov.uk>
Cc: Paul Cann <Paul.Cann@arun.gov.uk>; Sarah Burrow <Sarah.Burrow@arun.gov.uk>; [REDACTED]
Subject: FW: 020.5360 Land West of Fontwell Avenue

Simon,

This information was provided by the applicant's engineer yesterday. She also phoned me today and requested that if I have any issues that I phone her in the first instance so that this can be resolved today. Given my workload it has taken me to until now to look at it, therefore this will not be resolved today.

I have the following comments:

1. An infiltration rate of 8.57×10^{-5} m/s is used in all calculations, this is not consistent with lowest rates observed at nearby locations.
2. The required offset from buildings and roads for soakaways has been reduced to 5m. I would like building controls opinion on this.
3. There are several soakaways located close to Fontwell avenue, it is unclear if these achieve the required easement to public highway.
4. A revised impermeable areas plan showing the areas draining to each soakaway has not been provided, therefore areas stated have not been verified.

5. The soakaway for plot 7 has discrepancies between plan and calculations, i.e. impermeable area, length, width, depth.
6. The soakaway for plots 21-23 has discrepancies between plan and calculations.
7. The soakaway for plot 26 is insufficiently deep on plan.
8. The soakaway for plots 40-42 has discrepancies between plan and calculations.
9. I query whether some of the crate dimensions shown in reality are achievable. I.e. crate depths stated do not follow industry standard depths increments and some plan areas are also irregular. E.g. plot 16-17 specifies crates 0.7m deep x 7.2mx 2.9m.
10. The soakaway for road catchment 3 has discrepancies between plan and calculations.
11. 10% urban creep does not need to be applied to roads. Why is the applicant not utilising the permeable pavement for infiltration? Please elaborate.

Kind regards,

Laura Gibbons

Drainage Engineer

Engineering Services

Please note that I work Tuesdays 08:00-16:00 for Arun only.



T: 01903 221374

E: laura.gibbons@arun.gov.uk or [REDACTED]

Arun District Council, Civic Centre, Maltravers Rd, Littlehampton, West Sussex, BN17 5LF

From: Claire Pritchard [REDACTED]

Sent: 21 September 2020 18:01

To: Laura Gibbons <laura.gibbons@arun.gov.uk>

[REDACTED]

Subject: 020.5360 Land West of Fontwell Avenue

Good afternoon Laura,

I trust that this email finds you well.

Please find attached the latest Revision (G) of the proposed drainage strategy for the site above.

The drainage has now been split into Highway and Roof drainage as per your previous request.

We have introduced filter gullies, and vortex filter catchpits upstream of the gravel filled soakaways for the highway.

All drainage is now as shallow as possible, with nothing deeper than 1.4m.

Also, attached is the updated calculations for the site, as well as the Soils Ltd updated addendum confirming that 5m offsets are suitable for this site.

Please do not hesitate to contact me should you wish to discuss any amendments made.

Thanking you in advance

Kind Regards,

Claire Pritchard
Senior Technician



Fareham Office



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