

355 Kings Acre Road
Herefordshire
HR4 OSL

29 November 2022

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Planning Department
Herefordshire Council
Plough Lane
Hereford.

Planning Application P222769/F

Further to my letter dated 16 October 2022 I would like to make some additional points regarding the flood risk and drainage strategy.

If the applicant profiles the site so that the south to north ditch on the east side of the site cannot overflow onto its natural flood plain (the site), then the depth of water in the ditch will increase significantly. This will increase the input pressure, and hence the flow rate, in the 300mm pipe running north to the open topped silt pit beside the footpath on Kings Acre Road. Because the 225mm outflow pipe from the silt pit will already be at full capacity, the excess flow will add to that already spilling out of the silt pit, and therefore increase the flood risk for the surrounding properties.

In the adjoining field to the east of the site is a drainage ditch running east to west along the southern boundary of Breinton Lee and the, as yet unbuilt development of 10 houses. The east to west ditch is directly connected to the south to north ditch, and any rise in the level in the latter will also occur in the former, and this will increase the flood risk for the 10 house development, Breinton Lee and Lambourne Gardens.

The drainage report contains lots of very precise looking calculations with very little explanation of what the input data refers to. For example which parts of the site are used as the rainwater collection area for each soakaway?

Of particular concern is whether or not any allowance is made for the rainwater runoff from the rising ground to the south of the site. The site lies at the foot of a quarter mile long slope with a fall of about 50 feet. At the moment, this water forms a large, shallow body of water at the foot of the slope in an area which is partly inside the development site. What does the applicant propose to do with this water? If he directs it to the infiltration basin, will it be able to cope? If he directs it the other way towards the eastern drainage ditch, then that will make the flood risk worse elsewhere, as discussed above.

Finally, I have concerns about the safety of the infiltration basin. This is going to be positioned in a public open space adjacent to a children's play area. As every one knows, kids are drawn to water and with a design depth of one metre, I think that there will be a significant risk of drowning. The same could be said of the eastern drainage ditch which might in future become deeper and wider as a result of this development.

Yours faithfully,



K. Calvert.

