



James Bowser <cjhbowser@gmail.com>

Drainage Plan / Spec for Ark proposed car park

Ben Jackson <ben@j-ce.co.uk>

26 November 2023 at 19:02

To: James Bowser <cjhbowser@gmail.com>

Hi James,

I trust you are well.

Following on from your email below, there is not really a way of designing a gravel drive – not from a performance specification anyway. The only way to design it would be to use a bodpave system or similar, but that is perhaps overkill for the application. If a normal gravel finished is required then I would suggest that a 150mm capacity depth of type 3 stone, for 50mm of finishing gravel 0 the type 3 should be laid on a terram 1000 or similar. Please not that even still, this will require regular maintenance, and it will be expected that the gravel moves around and will need to be raked and topped up. All topsoil/vegetation and sofspots to be removed prior to placing.

Regarding drainage, as the area will not be taking additional areas, I think it would be appropriate to class this as a free draining surface. The thinking behind this is that the area is no different to say if it remained topsoil. Furthermore, the use of stone and type 3 stone, will actually create some additional storage, and as the area is flat, it will not be possible to pool in areas, and not create a user risk. Recharging of groundwater is important, and even if low infiltration rates are encountered, given the high surface area ratio, this will be enough. Furthermore, the IDB have confirmed the following

If you ever propose permeable surfaces generally for any project Ben we treat them as exactly that – permeable and because of that we do not charge a development contribution for using them, much in the same way we don't charge for soakaways.

As a result, consent does not need to be sought from us when using permeable methods.

Kind regards,

Ben Jackson

For on and behalf of



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