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13 July 2009

ARUN DISTRICT COUNCIL				
No.	BE	47	09	
SUPPLEMENTARY				
Received	15-7-9			

Our Ref: 1278/RTFC

Your Ref:

Dear Paul

Chalcroft Nursery, Chalcroft Lane, Bognor Regis
Foul and Surface Water Drainage Strategies

Further to our recent meeting on the above, I am writing to confirm the approach we are taking to ensure the provision of adequate means of drainage to the site.

Foul Water Drainage

We have progressed a full capacity check with Southern Water / Atkins Ltd and this has reported that there are problems with a lack of capacity at a pumping station some way downstream of the site during storm conditions. As they only refer to problems during storm conditions, we assume that the problems are a result of surface water connections and groundwater infiltration into the foul sewers and that these problems are existing.

Their solution to the problems is to increase the capacity of that pumping station. They are not recommending any improvements to the gravity sewers adjacent to the site nor the local pumping station that these sewers drain to and we therefore further assume that there are no issues with lack of capacity in this local network.

We therefore propose to submit an application to connect to the public sewerage system under S.106 Water Industry Act 1991. Such an application cannot be refused on grounds of lack of capacity.

We consider that the problems with an existing lack of capacity at the downstream pumping station can best be addressed by Southern Water themselves, with the benefit of the sewerage infrastructure charges that this development will generate.

Surface Water Drainage

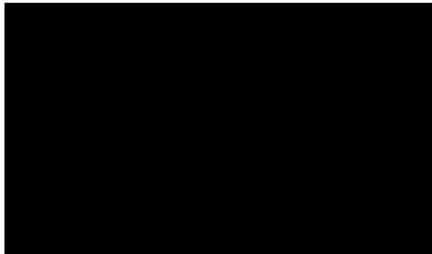
Percolation test have been carried out on the site and these have shown that the ground water table is fairly high and that there is no potential for soakage using traditional ring or geocellular soakaways. We are continuing with the percolation testing to see if there is any likelihood of shallow

soakaways such as permeable pavements being successful but I have to say that we are very doubtful about this.

There is an existing watercourse on the southern boundary of the site that is within the ownership of the nursery and to which the majority of the site currently drains. We propose to analyse the existing flows to this watercourse and to design a system for the new development that mimics these existing flows. This will ensure that there is no detrimental effect on the current surface water and land drainage arrangements. SuDS techniques will be incorporated wherever possible and where appropriate.

I hope that this has provided you with sufficient information at this stage but please do not hesitate to contact us should you require any further information.

Yours sincerely



Robert Clark Associates Ltd

cc: Orchard Enterprises