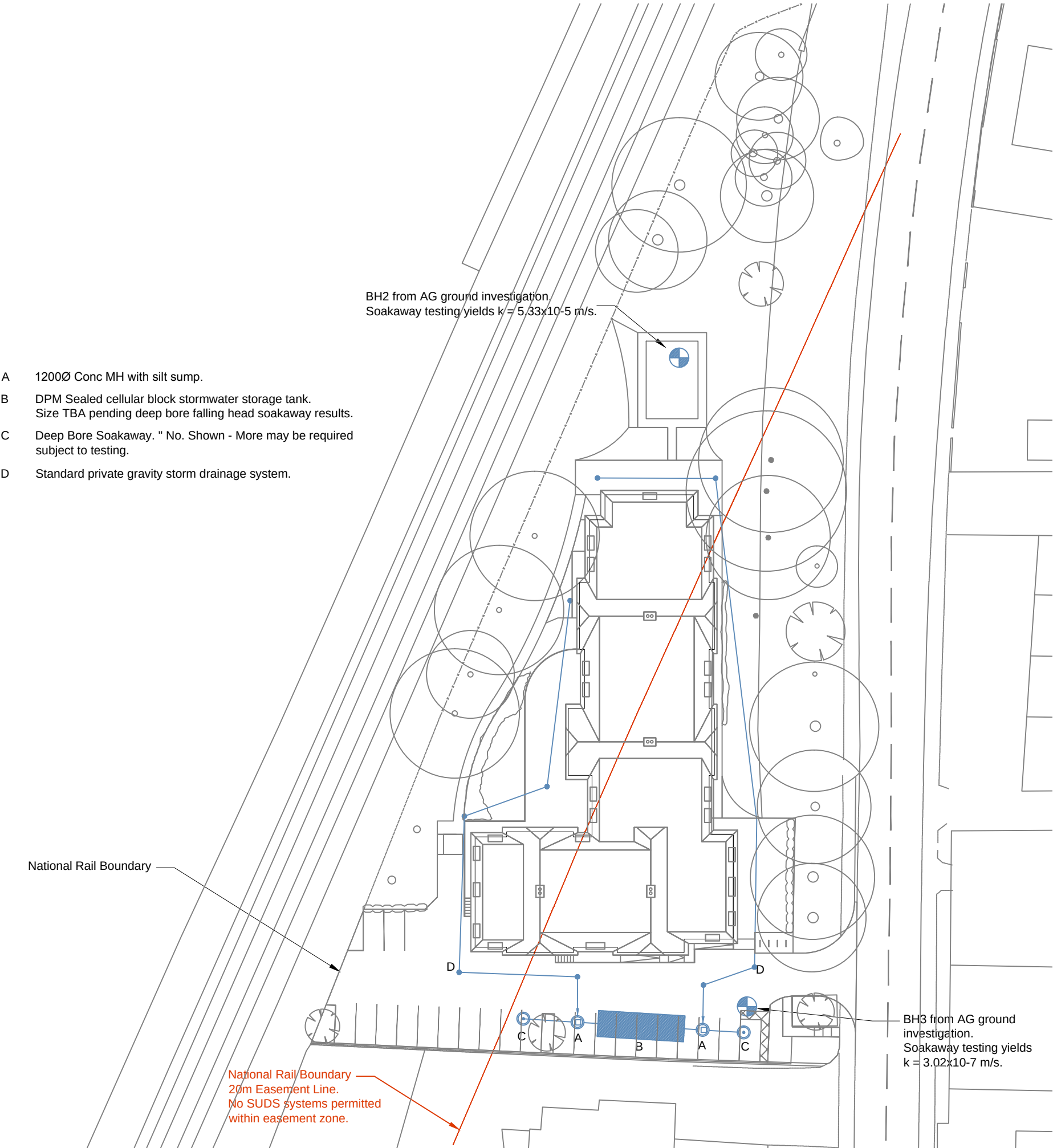




Design Constraint Notes

Consultation with National Rail confirms that no SUDS percolation system can be located within 20m of the NR boundary line.

The re-location of the SUDS system to the car park area was considered, however, ground Investigation percolation test results yielded a good result to the North of the site in BH2 but a very poor result in BH3 to the South of the site. As such, half drain times within this area would not be compliant with BRE365 and flood risk would be increased.

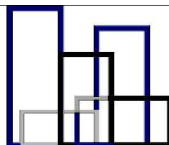
Connection to the local sewer network is not feasible as the sewers are foul only with no capacity for storm flow.

The development surface water strategy is to deal with all runoff using a 'deep bore' soakaway system.

All proposals will be subject to further testing, investigation and advice from a Specialist Geotechnical Engineer. Falling head Soakaway tests will need to be carried out in the vicinity of the new proposed soakaway structures and advice be taken on the capacity/flow characteristics of a deep bore soakaway solution.

If it is deemed that deep bore soakaway(s) will be able to accommodate storm runoff from the development, we envisage approx 2 deep bore soakaways plus the possibility of an attenuation tank within the car park area to accommodate runoff from a high intensity storm until this water percolates down the bore holes.

Following the testing procedure, the hole liners will be left in place to form the permanent pipes for the deep bore soakaways.

C SN 06.10.16 Building Layout Revised			
Rev.	By	Date	Details
			Chkd
Drawing Status		Information	
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Client Country Court Care			
Project Proposed Care Home Spalding Common			
Title Drainage Constraints and Proposals Plan			
Scale (A3) 1/500		Drawn by. SN	Drg. No.
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