



28 total population x 0.9 adjustment = 26 Pop  
 26 x 15 x 0.2 (secondary treatment) = 78m<sup>2</sup>  
 therefore:  
 80m<sup>2</sup> min (0.9m wide x 23.7m x 4No.) infiltration field

DC chalk  
 10m stand off

DC chalk  
 10m stand off

Timber shed only

BD Klargester  
 Bio disc  
 33 Pop max

Permeable block paving:  
 Infiltration rate:  
 1.6 x 10<sup>-4</sup>m/s  
 Designed to 1:100yr + 40%  
 CC + 10%

Ground conditions: DC chalk  
 therefore 10m stand off  
 distance required for point  
 load soakaways.  
 651m<sup>2</sup> total impermeable  
 area from housing and  
 garages.  
 Infiltration rate:  
 1.6 x 10<sup>-4</sup>m/s  
 Designed to 1:100yr + 40%  
 CC + 10%  
 3No. 1.5Ø PCC rings with  
 2.5m pit sides

Timber shed only

THE

P1	08.08.23	First Issue	KTG	KTG
REV. No.	DATE	DESCRIPTION	DRAWN	CHECKED
Client			Orchard Homes	
Project			Ropley Dean East Hants	
Title			Drainage strategy layout	
Scale:			1:200@A1	
Status:			PLANNING	
Drawn:	Project Engineer:	MJA Project No:	Date:	
KTG	KTG	6886	08.08.2023	
Drawing Number:			6886-MJA-SW-XX-DR-C-001	
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