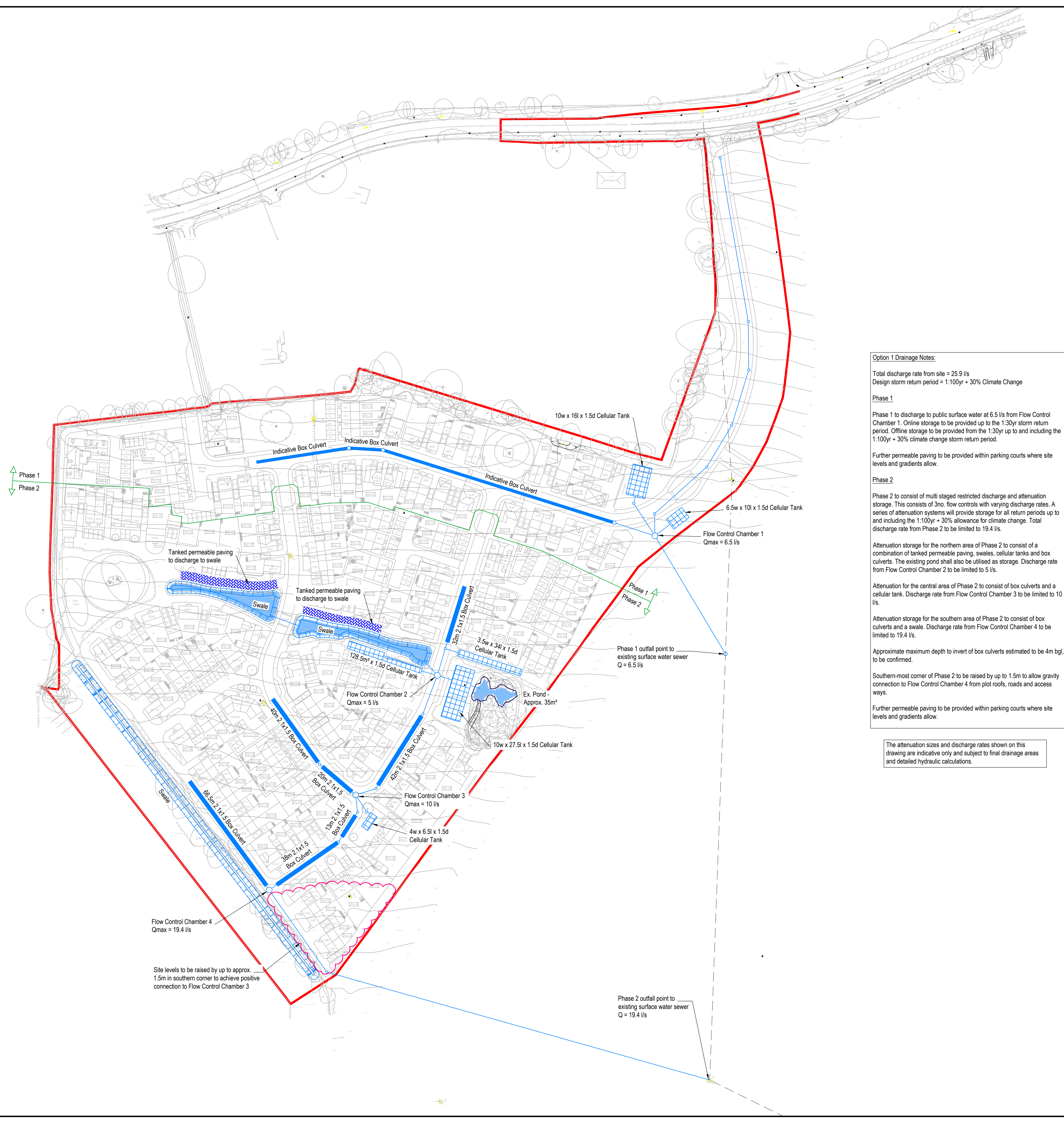




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- Legend:
- Indicative Site Boundary
 - Indicative Surface Water Drainage
 - Existing Public Surface Water Sewer
 - Indicative Geocellular Tank
 - Indicative Tanked Permeable Paving

The information contained on this drawing is indicative only and provided in good faith based on information provided by others. This information does not infer or constitute a detailed design.

Option 1 Drainage Notes:

Total discharge rate from site = 25.9 l/s
Design storm return period = 1:100yr + 30% Climate Change

Phase 1

Phase 1 to discharge to public surface water at 6.5 l/s from Flow Control Chamber 1. Online storage to be provided up to the 1:30yr storm return period. Offline storage to be provided from the 1:30yr up to and including the 1:100yr + 30% climate change storm return period.

Further permeable paving to be provided within parking courts where site levels and gradients allow.

Phase 2

Phase 2 to consist of multi staged restricted discharge and attenuation storage. This consists of 3no. flow controls with varying discharge rates. A series of attenuation systems will provide storage for all return periods up to and including the 1:100yr + 30% allowance for climate change. Total discharge rate from Phase 2 to be limited to 19.4 l/s.

Attenuation storage for the northern area of Phase 2 to consist of a combination of tanked permeable paving, swales, cellular tanks and box culverts. The existing pond shall also be utilised as storage. Discharge rate from Flow Control Chamber 2 to be limited to 5 l/s.

Attenuation for the central area of Phase 2 to consist of box culverts and a cellular tank. Discharge rate from Flow Control Chamber 3 to be limited to 10 l/s.

Attenuation storage for the southern area of Phase 2 to consist of box culverts and a swale. Discharge rate from Flow Control Chamber 4 to be limited to 19.4 l/s.

Approximate maximum depth to invert of box culverts estimated to be 4m bgl, to be confirmed.

Southern-most corner of Phase 2 to be raised by up to 1.5m to allow gravity connection to Flow Control Chamber 4 from plot roofs, roads and access ways.

Further permeable paving to be provided within parking courts where site levels and gradients allow.

The attenuation sizes and discharge rates shown on this drawing are indicative only and subject to final drainage areas and detailed hydraulic calculations.

Rev.	Date	Amendment	By	Chk.	
Status					
For Discussion					



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Client	Bellway Homes				
Job	Barton Road, Havant, Hampshire				
Title	Indicative Surface Water Drainage Option 1				
Scale 1:1000 @ A1 Date June 2018					
Drawn by KM		Checked by		Approved by	
		 012		 Accredited Contractor	
				 Part of Capita plc	
				 Supplier Reg. 000000	
Drawing No.				Rev.	
C85850-SK100				-	