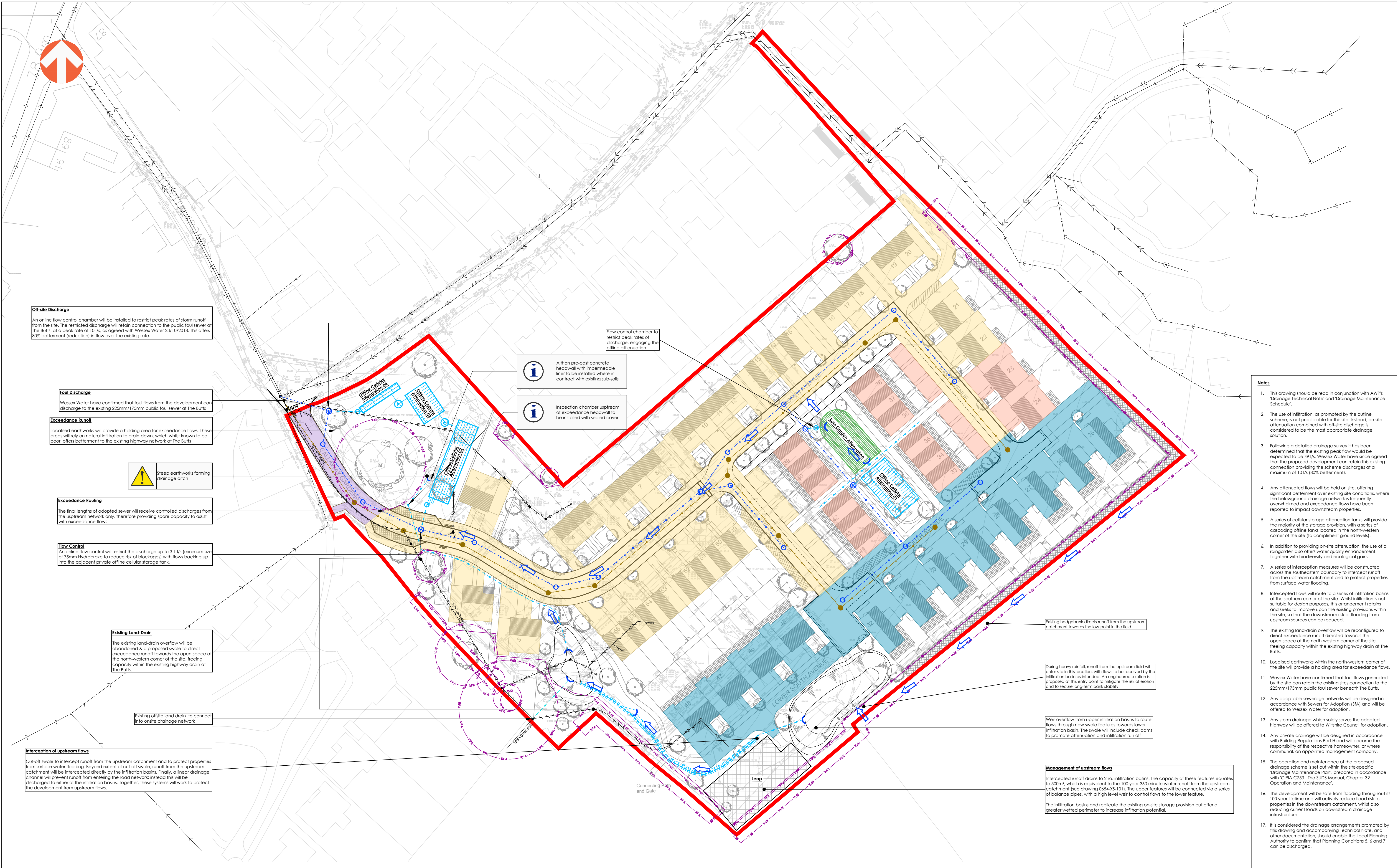




- Notes**
1. This drawing should be read in conjunction with AWP's Drainage Technical Note and Drainage Maintenance Schedule.
 2. The use of infiltration, as promoted by the outline scheme, is not practicable for this site. Instead, on-site attenuation combined with off-site discharge is considered to be the most appropriate drainage solution.
 3. Following a detailed drainage survey it has been determined that the existing peak flow would be expected to be 49 l/s. Wessex Water have since agreed that the proposed development can retain this existing connection providing the scheme discharges at a maximum of 10 l/s (80% betterment).
 4. Any attenuated flows will be held on site, offering significant betterment over existing site conditions. where the belowground drainage network is frequently overwhelmed and exceedance flows have been reported to impact downstream properties.
 5. A series of cellular storage attenuation tanks will provide the majority of the storage provision, with a series of cascading offline tanks located in the north-western corner of the site (to complement ground levels).
 6. In addition to providing on-site attenuation, the use of a rain garden also offers water quality enhancement, together with biodiversity and ecological gains.
 7. A series of interception measures will be constructed across the southeastern boundary to intercept runoff from the upstream catchment and to protect properties from surface water flooding.
 8. Intercepted flows will route to a series of infiltration basins at the southern corner of the site. Whilst infiltration is not suitable for design purposes, this arrangement retains and seeks to improve upon the existing provisions within the site, so that the downstream risk of flooding from upstream sources can be reduced.
 9. The existing land-drain overflow will be reconfigured to direct exceedance runoff directed towards the open-space at the north-western corner of the site, freeing capacity within the existing highway drain at The Butts.
 10. Localised earthworks within the north-western corner of the site will provide a holding area for exceedance flows.
 11. Wessex Water have confirmed that foul flows generated by the site can retain the existing sites connection to the 225mm/175mm public foul sewer beneath The Butts.
 12. Any adaptable sewerage networks will be designed in accordance with Sewers for Adoption (SfA) and will be offered to Wessex Water for adoption.
 13. Any storm drainage which solely serves the adopted highway will be offered to Wiltshire Council for adoption.
 14. Any private drainage will be designed in accordance with Building Regulations Part H and will become the responsibility of the respective homeowner, or where communal, an appointed management company.
 15. The operation and maintenance of the proposed drainage scheme is set out within the site-specific 'Drainage Maintenance Plan', prepared in accordance with CIRIA C753 - The SUDS Manual, Chapter 32 - Operation and Maintenance.
 16. The development will be safe from flooding throughout its 100 year lifetime and will actively reduce flood risk to properties in the downstream catchment, whilst also reducing current loads on downstream drainage infrastructure.
 17. It is considered the drainage arrangements promoted by this drawing and accompanying Technical Note, and other documentation, should enable the Local Planning Authority to confirm that Planning Conditions 5, 6 and 7 can be discharged.

Key				Attenuation Summary		Offline Cellular Attenuation 02		Offline Cellular Attenuation 04	
	Site Boundary		Private Combined Water Sewer To Be Abandoned		Adoptable Manhole Cover	Offline Cellular Attenuation 01		Catchment Ref.	
	Existing Drainage		Proposed Catchments		Private Swale	Catchment Ref.	Catchment 01	Catchment 02 + Outflow from Raingarden	Catchment Ref.
	Water Main		Catchment 01 (0.316 ha to Attenuation 01)		Headwall	0.241ha	Private	Hydrobrake @ IL	Catchment 04 + Outflow from Att. 02 & Att. 03
	Highway Sewer		Catchment 02 (0.405 ha to Attenuation 02 & 03)		Private Surface Water Sewer	Ownership	Private	Ref. MD-SHE-0042-1100-2000-1100	Imp. Catchment
	Foul Sewer		Catchment 03 (0.119 ha to Rain Garden)		Private Cellular Attenuation Tank	Flow Controls	Hydrobrake @ IL	Overflow @ IL & 2.1m Weir Wall at IL + 1.94m	0.047 ha
	Land Drain To Be Retained		Catchment 04 (0.024 ha to Attenuation 04)		Private Flow Control Chamber	Max Volume	Ref. MD-SHE-0055-1500-1200-1500	274 m³	Private
	Land Drain To Be Abandoned		Proposed Drainage		Private Rain Garden Feature	160m³	Ownership	Private	Hydrobrake @ IL
	Private Surface Water Sewer To Be Abandoned		Adoptable Surface Water Sewer		Adoptable Foul Sewer	Rain Garden Attenuation		Offline Cellular Attenuation 03	
	Private Foul Water Sewer To Be Abandoned		Adoptable Flow Control Chamber		Adoptable Foul Manhole	Catchment Ref.	Catchment 03 + Outflow from Att. 01	Catchment Ref.	Overflow from Attenuation 02
						0.094 ha	Private	N/A	
						Ownership	Private	Private	
						Flow Controls	Hydrobrake @ IL	Hydrobrake @ IL	
						Ref. MD-SHE-0054-1000-0500-1000	Ref. MD-SHE-0040-1000-2000-1000	Ref. MD-SHE-0040-1000-2000-1000	
						Max Volume	52m³	Ref. MD-SHE-0054-1000-0500-1000	
								Overflow @ IL & 2.1m Weir Wall at IL + 1.95	
								133m³	
								Max Volume	
									Total Max Volume. 649m³