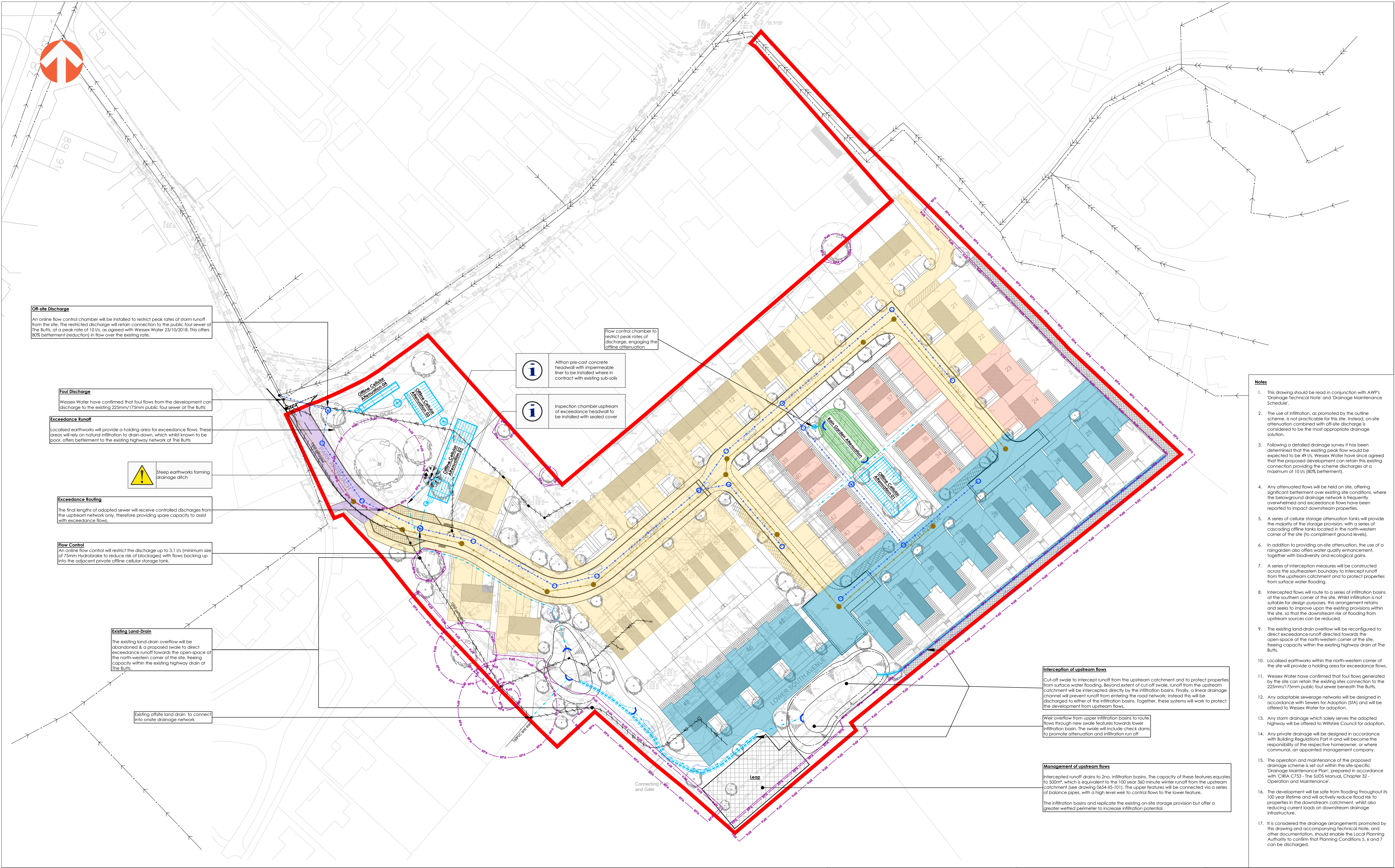




- Notes**
1. This drawing should be read in conjunction with AWP's 'Drainage Technical Note' and 'Drainage Maintenance Schedule'.
 2. The use of infiltration, as promoted by the outline scheme, is not practicable for this site. Instead, on-site attenuation combined with off-site discharge is considered 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 adoptable 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		Private Combined Water Sewer To Be Abandoned		Adaptable Manhole Cover		Attenuation Summary		Offline Cellular Attenuation 02		Offline Cellular Attenuation 04	
	Site Boundary		Proposed Catchments		Private Swale	Offline Cellular Attenuation 01		Catchment Ref. Imp. Catchment Ownership Flow Controls	Catchment 02 + Outflow from Rain Garden 0.577 ha Private Hydrotank @ IL Ref. MD-SHE-0042-1100-2000-1100 Overflow @ IL & 2.1m Weir Wall at IL + 1.94m	Catchment Ref. Imp. Catchment Ownership Flow Controls	Catchment 04 + Outflow from Att. 02 & Att. 03 0.049 ha Private Hydrotank @ IL Ref. MD-SHE-0143-1000-1200-1000 30m³
	Water Main		Catchment 01 (0.316 ha to Attenuation 01)		Headwall	Catchment Ref. Imp. Catchment Ownership Flow Controls	Catchment 01 0.241 ha Private Hydrotank @ IL Ref. MD-SHE-0055-1500-1200-1500 160m³	Max Volume	274 m³	Offline Cellular Attenuation 03	
	Highway Sewer		Catchment 02 (0.605 ha to Attenuation 02 & 03)		Private Surface Water Sewer	Rain Garden Attenuation		Catchment Ref. Imp. Catchment Ownership Flow Controls	Catchment 03 + Outflow from Att. 01 0.094 ha Private Hydrotank @ IL Ref. MD-SHE-0054-1000-0500-1000 52m³	Catchment Ref. Imp. Catchment Ownership Flow Controls	Overflow from Attenuation 02 N/A Private Hydrotank @ IL Ref. MD-SHE-0040-1000-2000-1000 Overflow @ IL & 2.1m Weir Wall at IL + 1.95 133m³
	Foul Sewer		Catchment 03 (0.119 ha to Rain Garden)		Private Cellular Attenuation Tank					Total Max Volume. 649m³	
	Land Drain To Be Retained		Catchment 04 (0.024 ha to Attenuation 04)		Private Flow Control Chamber						
	Land Drain To Be Abandoned		Proposed Drainage		Private Rain Garden Feature						
	Private Surface Water Sewer To Be Abandoned		Adaptable Surface Water Sewer		Adaptable Foul Sewer						
	Private Foul Water Sewer To Be Abandoned		Adaptable Flow Control Chamber		Adaptable Foul Manhole						