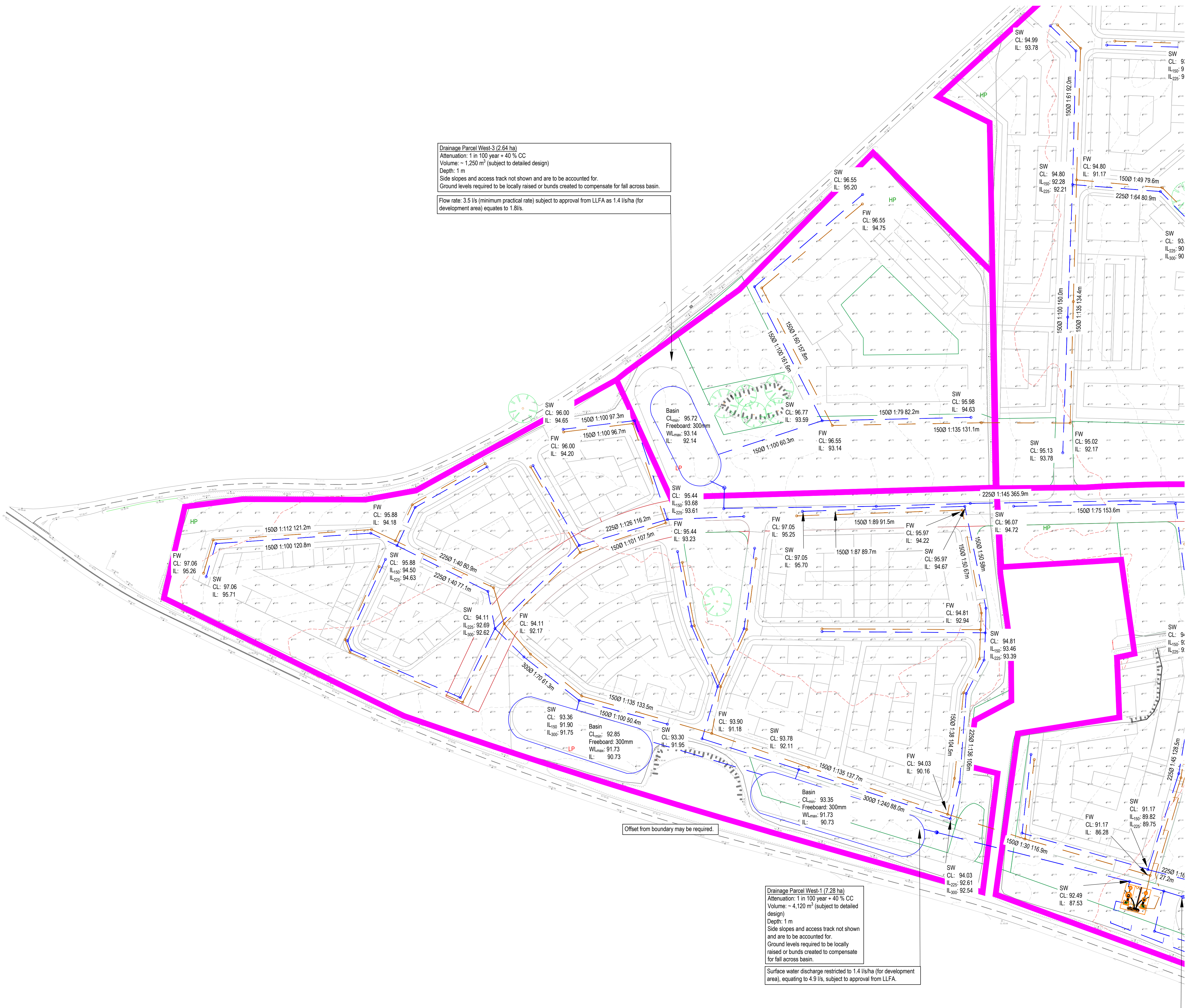




Drainage Parcel West-3 (2.64 ha)
Attenuation: 1 in 100 year + 40 % CC
Volume: ~ 1,250 m³ (subject to detailed design)
Depth: 1 m
Side slopes and access track not shown and are to be accounted for.
Ground levels required to be locally raised or bunds created to compensate for fall across basin.

Flow rate: 3.5 l/s (minimum practical rate) subject to approval from LLFA as 1.4 l/s/ha (for development area) equates to 1.8l/s.

Drainage Parcel West-1 (7.28 ha)
Attenuation: 1 in 100 year + 40 % CC
Volume: ~ 4,120 m³ (subject to detailed design)
Depth: 1 m
Side slopes and access track not shown and are to be accounted for.
Ground levels required to be locally raised or bunds created to compensate for fall across basin.

Surface water discharge restricted to 1.4 l/s/ha (for development area), equating to 4.9 l/s, subject to approval from LLFA.

- KEY:
- Attenuation basin
 - Below ground attenuation (tank/ crates)
 - Headwall
 - Surface water drainage
 - Surface water rising main
 - Flow control device
 - Foul water drainage
 - Foul water rising main
 - Existing Severn Trent Water foul water sewer
 - Drainage parcel boundary
 - Parcel high point
 - Parcel low point

- NOTES:
- Sketch based on Framework Plan (SK003). Drainage strategy is subject to final layout plan and detailed design.
 - All manhole and pipe locations are indicative. Final locations to be confirmed at the detailed design stage.
 - Cover levels are based on topographic survey level.
 - Final cover and invert levels to be confirmed at detailed design stage.
 - Topographic survey does not cover the watercourse to the south-west of the site. Additional survey required to confirm levels and viability of gravity surface water drainage system.
 - All pipe connections to be soffit to soffit unless noted otherwise.
 - Root guard for all pipework/drainage in close proximity to trees to prevent structural damage.
 - Pipes within highways with less than 1200 mm cover to have a Class Z concrete bed and surround or concrete slab protection.
 - All outfall locations and discharge rates to be agreed to by Severn Trent Water and Staffordshire County Council LLFA.
 - Attenuation volumes are approximate and subject to change following layout details.
 - Attenuation basin footprints are currently shown for attenuation volume requirements only. Additional footprint will be required to account for: basin side slopes with a maximum allowable gradient of 1 in 3, access track and tie in to ground levels (not shown on plan).
 - Attenuation basin to include child proof fencing.
 - Additional SuDS features will likely be required to provide source control water quality treatment and attenuation.
 - Details of attenuation structures to be confirmed at detailed design. Attenuation locations and plan areas shown are indicative only and subject to final layout plan and confirmation of watercourse levels. All attenuation assumed to be 1 m deep.
 - Layout adjustments are required for attenuation basins to align with existing site levels and gradients.
 - Discharge rates shown as 1.4 l/s/ha for the developable area. Surface water discharge rates and connections to watercourses are subject to LLFA approval.
 - Localised raising of levels around attenuation basins or the construction of bunds may be necessary to compensate for the fall across the attenuation basin.
 - Tie in levels to existing ground will extend the basin footprints currently shown. Total attenuation footprint areas to be determined at detailed design stage.
 - Offset from watercourse to be confirmed by LLFA.
 - Adoption of drainage to be confirmed. This will impact minimum discharge rates.
 - Septicity check required due to distance of the foul water rising main. Air valve also likely required in rising main.

P01	First Issue.	JJS	AA	04.07.2024
REV	DESCRIPTION	SIG	CHK	DATE

BONINGALE HOMES LIMITED

ALBRIGHTON SOUTH

DRAINAGE STRATEGY SKETCH
(WEST1 AND WEST3)

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ECE PROJECT No	SCALE AT A1	STATUS	SUITABLE FOR
48842	NTS	S2	Information
DRAWING NUMBER			
48842 - ECE - XX - XX - SK - C - 0007			
Project	Originator	Zone	Level
	Type	Role	Number

P01