



- 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:**
1. Sketch based on Framework Plan (SK003). Drainage strategy is subject to final layout plan and detailed design.
 2. All manhole and pipe locations are indicative. Final locations to be confirmed at the detailed design stage.
 3. Cover levels are based on topographic survey level.
 4. Final cover and invert levels to be confirmed at detailed design stage.
 5. 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.
 6. All pipe connections to be soffit to soffit unless noted otherwise.
 7. Root guard for all pipework/drainage in close proximity to trees to prevent structural damage.
 8. Pipes within highways with less than 1200 mm cover to have a Class Z concrete bed and surround or concrete slab protection.
 9. All outfall locations and discharge rates to be agreed to by Severn Trent Water and Staffordshire County Council LLFA.
 10. Attenuation volumes are approximate and subject to change following layout details.
 11. 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).
 12. Attenuation basin to include child proof fencing.
 13. Additional SuDS features will likely be required to provide source control water quality treatment and attenuation.
 14. Details of attenuation structures to be confirmed at detailed design. Attenuation locations shown are indicative only and subject to final layout plan and confirmation of watercourse levels. All attenuation adjacent to be 1 m deep.
 15. Layout adjustments are required for attenuation basins to align with existing site levels and gradients.
 16. 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.
 17. Localised raising of levels around attenuation basins or the construction of bunds may be necessary to compensate for the fall across the attenuation basin.
 18. Tie in levels to existing ground will extend the basin footprints currently shown. Total attenuation footprint areas to be determined at detailed design stage.
 19. Offset from watercourse to be confirmed by LLFA.
 20. Adoption of drainage to be confirmed. This will impact minimum discharge rates.
 21. Septically check required due to distance of the foul water rising main. Air valve also likely required in rising main.

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REV	DESCRIPTION	SIG	CHK	DATE

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