

SURFACE WATER DRAINAGE STRATEGY NOTES

This strategy has been produced in conjunction with the RSK Flood Risk Assessment and Drainage Report reference 881680 R1 (07)FRA.

This preliminary strategy drawing should be read in conjunction with the 'Report on Drainage Design Strategy to Accompany Planning Application Rev B'.

SURFACE WATER DRAINAGE STRATEGY KEY

- S104 Adoptable Surface Water Sewer & Manhole with preliminary Cover Levels and Invert Levels
- Proposed Surface Water Drop-Out and Proposed Invert Level
- Indicative Route of Proposed Private Plot SW Drainage
- Proposed Impermeable Areas (Roof, Drive, Highway etc) Contributing to Network 1
- Proposed Impermeable Areas (Roof, Drive, Highway etc) Contributing to Network 2
- Proposed Impermeable Areas (Roof, Drive, Highway etc) Contributing to Network 3
- Proposed SUDs BASIN (Sustainable Urban Drainage System) drainage features designed to accommodate surface water retention up to and including the 1 in 100yr+ climate change rainfall event. Also designed to provide water quality benefits as quantified within the drainage calculations document.
- Proposed SUDs WETLAND (Sustainable Urban Drainage System) drainage features designed to provide water quality and mitigation benefits as quantified within the drainage calculations document.
- Proposed Adoptable Catch-pit Manhole for all management, maintained in accordance with the SW Management and Maintenance Plan.
- Existing Watercourse 'Trub Brook' Historically dammed to form Mill ponds, now fishing lodges.
- Approx. Proposed S104 Sewer Easement
- Site application boundary.
- Preliminary Finished Floor Level, subject to full final detailed design.
- S38 Adoptable Road Gully/Adoptable Highway Drainage
- Proposed Outfall/Discharge Point of Network 1 & Proposed Maximum Discharge Rate
- Proposed Outfall/Discharge Point of Network 2 & Proposed Maximum Discharge Rate
- Proposed Outfall/Discharge Point of Network 3 & Proposed Maximum Discharge Rate
- Proposed SUDs BASIN (Sustainable Urban Drainage System) drainage features designed to accommodate surface water retention up to and including the 1 in 100yr+ climate change rainfall event. Also designed to provide water quality benefits as quantified within the drainage calculations document.
- Proposed SUDs WETLAND (Sustainable Urban Drainage System) drainage features designed to provide water quality and mitigation benefits as quantified within the drainage calculations document.
- Proposed Flow Control Chamber, with mechanical flow control device set to restrict flow rates to those shown.
- Existing inlet/outlet location to fishing lodges as referenced in RSK water baseline study report.
- Existing Watercourse
- Land required temporarily by the developer and developers contractor in order to complete outfall works
- Proposed Adoptable Foul Water Pumpstation. See preliminary Foul Water Strategy drawing H8544-BAH-V3-X-09-CE -300004 for scheme details.

PRELIMINARY ONLY

Drainage design is subject to full technical approval by United Utilities/ NAV and the LLFA.



P05	MHs 103, 108, 116, 128 have been amended to catch-pit MHs. Sump levels have been added to every catch-pit MH.	08.11.24	LB
P04	Included the most recent planning layout showing the revised proposed access track.	16.10.24	LB
P03	Corrected misspelling from 40%CC to 45%CC.	19.09.24	LB
P02	SUDs Wetland features added.	05.07.24	LB
P01	First issue. Drawn by RB	06.06.24	RB
Revision	Description	Date	Design By